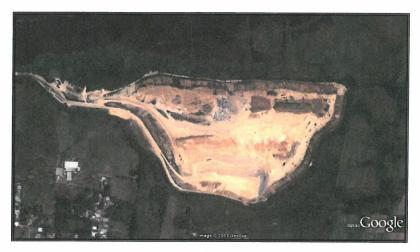
EXHIBIT 1Groundwater Monitoring Report

RESULTADOS DE MONITORIA DE AGUA SUBTERRÁNEA PARA EL PERIODO DE MAYO DE 2016 SISTEMA DE RELLENO SANITARIO ARECIBO, PUERTO RICO



RESULTADOS DE MONITORIA DE AGUA SUBTERRÁNEA PARA EL PERIODO DE MAYO DE 2016 SISTEMA DE RELLENO SANITARIO (SRS) MUNICIPAL ARECIBO, PUERTO RICO



MAYO 2016

Preparado para:

LANDFILL TECHNOLOGIES, CORP. PO BOX 1322 GURABO, PR 00778



Preparado por:

GROUNDWATER & ENVIRONMENTAL SERVICES OF PUERTO RICO, LLC 1550 AVENIDA PONCE DE LEÓN, PARADA 23, PISO 2, SANTURCE SAN JUAN, PUERTO RICO 00909-1725

INFORME FINAL



RESULTADOS DE MONITORIA DE AGUA SUBTERRÁNEA PARA EL PERIODO DE MAYO DE 2016 SISTEMA DE RELLENO SANITARIO (SRS) DE ARECIBO, PUERTO RICO

Proyecto GESPR Número: 7101093

MAYO 2016

Efrain Camis Rosado, BS, REM Senior Project Manager Isidro M. Perera Armas, BS MBA Site Operations Manager

Teresa Dopazo QA/QC Reviewer

DECLARACIÓN DE CONFIDENCIALIDAD Y DIVULGACIÓN

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27 de mayo de 2016

Sra. Sonia Feliciano Heredia Oficial de Cumplimiento Landfill Technologies Corp. PO BOX 1322 Gurabo, PR 00778

RE: RESULTADOS DE MONITORIA DE AGUA SUBTERRÁNEA PARA EL PERIODO DE MAYO DE 2016 – SISTEMA DE RELLENO SANITARIO (SRS) DE ARECIBO, PR

INTRODUCCIÓN

Adjunto los resultados para el periodo de mayo del año 2016, según el "Plan Aprobado de Monitoria de Agua Subterránea" entre la Junta de Calidad Ambiental (JCA) y Landfill Technologies, Corp. (LTC) para el SRS en el 1999. El plan de monitoria es realizado para estar en cumplimiento con el Reglamento para el Manejo de los Desperdicios Sólidos No Peligrosos. Este reglamento requiere que se establezca un programa de monitoria el cual pueda detectar la presencia de 45 Compuestos Orgánicos Volátiles (COV's) y 15 metales. La concentración mayor sobre el límite máximo de contaminación permisible (MCL, por sus siglas en inglés) requiere la preparación de un plan de acción correspondiente. A estos fines estos reportes son analizados para determinar la presencia y recomendar acciones, si son necesarias, para mantener el sistema de monitoreo en óptimas condiciones.

La **Figura 1** presenta la ubicación del SRS en el cuadrángulo del Servicio Geológico Federal (USGS, por sus siglas en inglés) para el área de Arecibo. La **Figura 2** presenta una foto aérea de la propiedad donde ubica el SRS para referencia visual.



Monitoria Aguas Subterráneas – Mayo 2016

SRS ARECIBO

Página 2 de 4

El monitoreo aprobado para el SRS requiere que se colecten muestras de cinco pozos de

monitoreo de agua subterráneas. El sistema de monitoria se compone, como mínimo, de un pozo

de agua subterránea gradiente arriba y cuatro pozos de monitoreo aguas abajo del SRS. El

sistema se muestrea de acuerdo al Plan de Trabajo aprobado por la JCA, el cual describe en

detalle la geología, hidrogeología, protocolos de las actividades de campo, laboratorio y reporte a

la JCA.

El monitoreo de aguas se llevó a cabo el día 18 de mayo de 2016 por personal de Groundwater &

Environmnetal Services of Puerto Rico LLC (GESPR) con adiestramiento en HAZWOPER y

con equipo de seguridad personal nivel D (capacete, chaleco reflector, gafas de seguridad, botas

con punta de acero y guantes desechables de nitrilo). Previo al desarrollo y colección de

muestras se completó una tabla de datos de cada pozo que incluyen: profundidad del agua y

parámetros de muestreo de calidad de campo con equipo de muestreo calibrado para estos fines.

El **Anejo 1** incluye la hoja de datos de campo para cada pozo.

ALCANCE DE LOS TRABAJOS

La localización de los pozos muestreados en el SRS se presenta en la Figura 2. Cada pozo fue

debidamente identificado, desarrollado y muestreado, según el plan aprobado. Las muestras

fueron colectadas con duplicados para análisis de Orgánicos Volátiles utilizando el Método 8260

para VOC's y para metales por el Método 6010, ambos de la EPA. El Anejo 2 incluye la cadena

de custodia (COC, por sus siglas en inglés). El Anejo 3 presenta los resultados de laboratorio

debidamente certificados de Pace Analytical ubicado en Guaynabo, Puerto Rico.

La Tabla 1 presenta los resultados obtenidos para los compuestos orgánicos volátiles. La Tabla

2 presenta los resultados obtenidos para metales.

GES PR

RESULTADOS

VOLÁTILES

Según se presenta en la **Tabla 1** para Compuestos Orgánicos Volátiles (COV's), los resultados de todos los parámetros fueron no detectados (ND) para las muestras de agua de los pozos W-1, W-2, W-3, W-4 y W-5 con excepción de Acetona para todos los pozos. El sistema de monitoreo no ha presentado resultados significativos de volátiles durante los años 2014 y 2015.

METALES

Concentraciones de metales fueron detectadas en algunas de las muestras, según presenta la **Tabla 2**. Sin embargo, ninguna de estas concentraciones sobrepasaron los niveles máximos de contaminación establecidos por EPA.

RECOMENDACIONES

Basado en las tareas realizadas y los resultados obtenidos recomendamos lo siguiente:

- Continuar con el programa de monitoria de agua subterránea;
- Preparar un reporte estadístico de valores históricos para metales y concentraciones naturales de metales para los suelos del SRS. De esta forma se podrá establecer si las concentraciones de metales que se mantienen presente son el producto de la interacción del suelo con el nivel freático o si las mismas representan la presencia de lixiviados. Dependiendo de los resultados, se recomendará la preparación de un plan de acción.



Monitoria Aguas Subterráneas – Mayo 2016 SRS ARECIBO Página 4 de 4

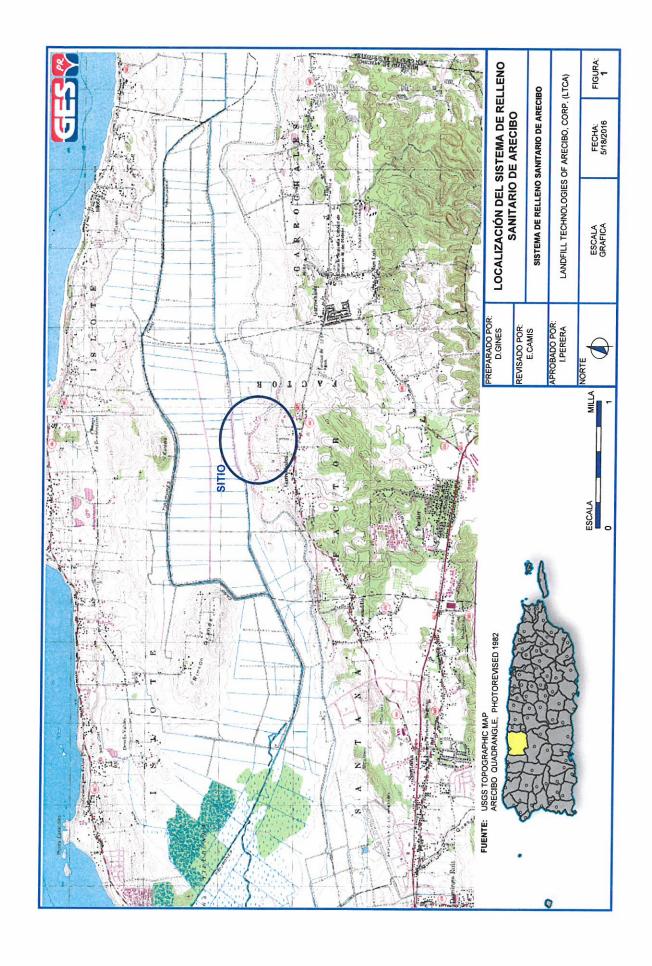
Atentamente,

Groundwater & Environmental Services of PR, LLC.

Isidro M. Perera Armas Site Operations Manager







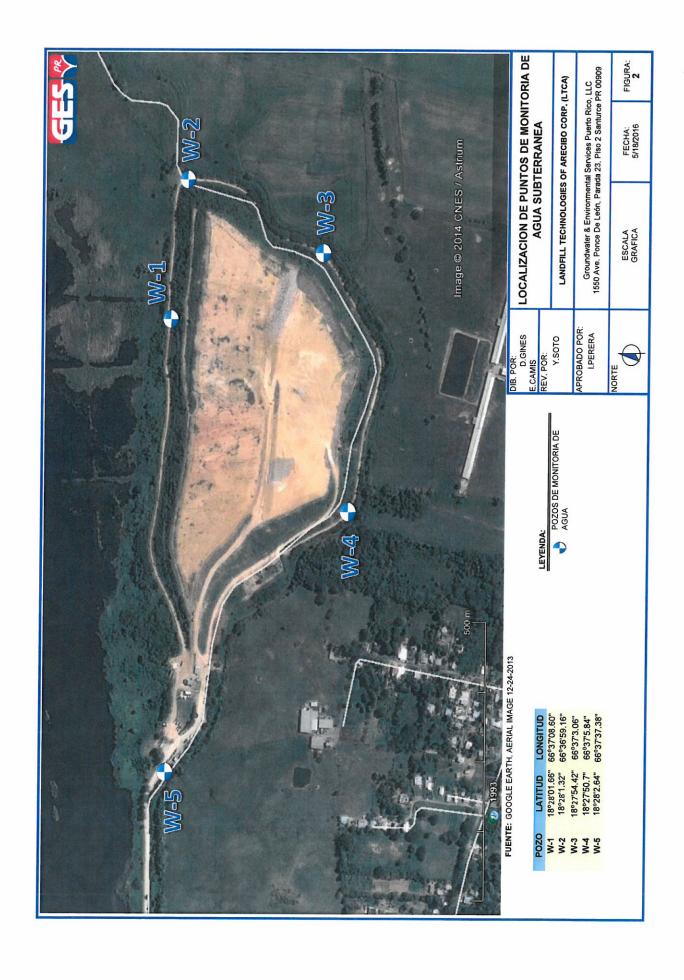




TABLA 1 SBS ARECIBO RESULTADOS ANALTITCOS PARA - COV'S EN (MG/L) METODO 8260 MAYO DE 2016

PAPAMETBO NE ANATICIS	NAT 1616		L							MIESTE	MIECTRAS DE ACHA DE BOZOS	30200 40				
FANAMETRO DE	MALISIS		MO	MUESTRAS QA/QC	200					NI COLONIA	NO DE AGOA	DE LOZOS				
						G.ARRIBA	RIBA	4	OZOS DE CI	POZOS DE CUMPLIMIENTO	0					
NOMBRE	CAS NO.	MCI.	TB	FB	EB	W-1-1	W-1-2	W-2-1	W-2-24	W-3-15	W-3-2"	1-F-W	NC TA	W 5 19	01 c 2 W	
DICHLORODIFLUOROMETHANE	75-71-8	***	Q.	Q.	N/A	QN	QN Q	ND	ND	QN	QN	QN.	QX	QN	QN.	0.005
VINVI CHI OBINE	75 01 4	0.200	2	2	N/A	2	Ð	ON	ND	QN	QN.	ND	QN	QN.	Ð	0.005
BROMOMETHANE	74.63.0	0.002	2	2	V/A	Q.	2	N N	N N	QQ.	QN	ON	QN	QN	QN	0.005
CHLOROETHANE	75-00-3	***	S S	S E	N/A		2	Q.	Ð	Ð	QQ.	ND	QN	QN	QN	0.005
TRICHLOROFLUOROMETHANE	75-69-4	***	2 5	2 2	N/A	2 5	2 5	Q	Q	Q.	Ð	ND	ON	QN	QN	0.005
METHYLENE CHLORIDE	75-09-2	5000	2	2	V/V	2	2	QV.	QN	Q.	ON.	ND	QN	QN	ND	0.005
1.1-DICHLOROETHENE	75-35-4	0000	2 5		N/A	ON SE	2	QV	QN !	S	Ð	ND	ON	QN	QV	0.005
TRANS-1.2-DICHLOROETHENE	156-60-5	***	2	2	V/N	2 5	S S	2	Q.	8	R	Q.	Ð.	QN	QN	0.005
1,1-DICHLOROETHANE	75-34-3	0.007	Ę	E S	A/N	2 5	2 5	S	2	Q S	9	Q.	Q.	Ð	Ð	0.005
CIS 1,2-DICHLOROETHENE	156-59-2	***	Ð.	R	N/A	E	2	2 6	2 5	S	2	QN S	Q !	Q!	Q.	0.005
CHLOROFORM	67-66-3	0.005	ND	Q.	N/A	Ð	2	S S	CN.	2	2	QN CN	S S	2 2	2	0.005
1,1,1-TRICHLOROETHANE	71-55-6	0.0002	ON	ND	N/A	QN	Ø	QN	S	Q.	2	CN CN	2	2	2 5	0.005
CARBON TETRACHLORIDE	56-23-5	0.005	Ð	ND	N/A	ND	N ON	QN.	QN	8	Q.	Q.	E C	2	2	0.003
BEBZENE	71-43-2	0.005	ΔN	QN Q	N/A	N O	QN	QN.	S S	NO.	QN	QN.	GZ.	E	5	500.0
1,2-DICHLOROETHANE	107-06-2	0.005	Ð	ND ND	N/A	QN	ND ON	ND ON	QN.	N ON	SE SE	Ð	Q.	2	2	0.005
1 RICHLOROE I HENE	79-01-6	0.002	Q	N N	N/A	QQ.	QQ.	ND	QN	QN.	QN	Ð	QN	GZ.	E	0000
1,2-DICHLOROPROPANE	78-87-5	*	Q	QQ.	N/A	Ø	ND	ND	ND DN	QN	QN	Ø	QX	GN.	S	0.005
BROWDICHLUROME I HANE	75-27-4	***	Ð	ND ND	N/A	Q.	QN	N N	QN	QN	S	Ð	ND ND	Q.	E	0000
TOT LIENTE	10061-02-6	*	2	Q.	N/A	QN	ND	QN	QN.	ND	ND	QN QN	QN	QN	2	0 00 0
CIS. 1.3 DICUT OB OBENIE	108-88-3	1.000	Q.	Q.	N/A	Ð	Ð	ND	ON	QN	QQ.	ND ND	QN	QX	E	0.005
1 1 2 TRICHI OPOETHANE	20001	3000	2	Q.	N/A	QN	ND DI	ND PD	QN	QN	QN	QQ.	Q.	Q	2	0.005
TETRACHI OROFTHENE	137 16 4	0.002	2	QN	N/A	2	Q.	QN	ND	ON	ND	QN	Ø	QN.	Q	0.005
DIBROMOCHLOROMETHANE	124-48-1	***	S	N S	N/A	9	2	Q.	Q.	ND	QN	ND	ND	QN	QX	0.005
1 2-DIRROMOFTHANE (FDR)	106 03 4	9 9 9			N/A	2	Q.	Q.	Q	Ð	ND ND	QN	ND	QN	QN	0.005
CHLOROBENZENF	108-90-7	001.0	2 5	N S	N/A		Q.	2	Q	Q.	QQ	QN	ND	QN	ND	0.005
ETHYLBENZENE	100-41-4	0 700	2		N/A	S E	2	Q.	Q	2	QQ.	ND	ND	ON	ND	0.005
M&P-XYLENE	179601-23-1	***	S E	S E	N/A	S S	2 5	8	Q.	Ð	Ð	Ð	ON	QV	ND	0.005
O-XYLENE	95-47-6	***	2		V/V	O. S.	2	Q.	QN	QN.	Q.	Ð	Ø	Ø	QN	0.005
STYRENE	100-42-5	0010	2	S CN	V/N	N S	S S	Q .	Q !	Q	Ð	Ð	ND DI	QN	QN	0.005
BROMOFORM	75-25-2	0 700	Ę	2	A/N	2 5	2 5	ON SE	2	Q.	Q!	Q	Q.	QQ.	QN	0.005
ISOPROPYLBENZZENE (CUMENE)	98-82-8	***	Ę	S	A/N	2	2 5	ON SE	ON SE		QV	QN	Ð	Q	QN	0.005
1,1.2,2-TETRACHLOROETHANE	79-34-5	***	Q.	2	N/A	2	2 5	2 5	2	2	2 5	2	Q.	Q	Ð	0.005
1,3-DICHLOROBENZENE	541-73-1	***	ND DN	QN.	N/A	E	Ę	2	2	S. C.	ON CA	2	Q .	Q	Q.	0.005
1,4-DICHLOROBENZENE	106-46-7	***	Ð	2	N/A	£	Ę.	2	2	2 2	2	Q E	ON SE	2	Q.	0.005
1,2-DICHLOROBENZENE	95-50-1	***	Ð	N N	N/A	N N	£	9	S	2	2 5	2	ON CE	Q F	Q	0.003
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	***	ND	QN	N/A	R	Ð	Q.	2	E S	2	2 5	Q E	S S	Q E	0.005
2-BUTANONE (MEK)	78-93-3	***	ND ND	ND	N/A	NO ON	S.	Ð	N N	Q.	E	2	2 5		2	0.000
2-HEXANONE	591-78-6	***	Ð	ND ND	N/A	QN	2	N O	ND	S.	2	Ę	2	2	S S	0.010
CARBON DISULFIDE	75-15-0	4.000	£	R	N/A	QN	DN.	ND	Q.	Ð	Ð	Q	E S	E	2	0.000
ACTIONE	67-64-1	4.000	0.031	0.035	N/A	0.017	0.018	0.012	0.017	0.014	0.016	0.021	0.016	0.012	0.000	0100
4-METHYL-1-PENTANONE (AMBY)	1634-04-4		2 5	2	N/A	Q.	Ð	QN	ND	QN	QN	ND	QN	Ð	Q.	0.005
MEHTVI ACETATE	70.20.0		2 5	2	N/A	2	2	Ð	B	Ø	ND ND	ND	QN	QN.	Ð	0.010
	17=40=7		Q	ND	N/A	ON	Q.	Ð	Ð	Ø	Q.	ND ON	QN	QN	Ð	0.010

Leyenda:

***. EPA no tiene un MCL establecido para este parâmetro MGL: Miligrams per Liter (miligramos por litro)

Metodo 8260: Metodo de Análisis para Volátiles según EPA SW-846

RL: Reporting Limit (límite de Reporte según metodo) en mg/L

ND No detectado

QAQC: Quality Assurance/Quality Control (Muestras de Control de Calidad y Certeza)

MCL: Maximum Contaminant Level (Nivel Maximo de Contaminación) según EPA en myl. COPYs: Compuestos Orgánicos Voláriles según listado requerido para este muestreo. CAS: Chemical Abstract Service (identificadores numéricos para parámetro a ser analizado).

N/4: No Aplica





TABLA 2 SRS ARECIBO RESULTADOS ANALITICOS PARA METALES EN (MG/L) METODO 6010 EPA MAYO DE 2016

PARAME	PARAMETRO DE ANALISIS	10	MU	MUESTRAS QA/QC	ος					MUESTRA	MUESTRAS DE AGUA DE POZOS	E POZOS				
						G.ARRIBA	RIBA	ď	OZOS DE CU	POZOS DE CUMPLIMIENTO						
NOMBRE	CASAO	MCI	î.	an	-			150							The second second	
THE POST OF THE PARTY OF THE PA				g n	a.	W-1-1	7-1-1	W-2-1	W-2-2	W-3-1	W-3-2	1+-11	W-4-2	W-5-1	W-5-2	RI (mg/L)
ANTIMONY	/440-36-0	090.0	N/A	N/A	N/A	ND ND	ND	N N	Q.	QN.	QN	QN	ΩN	Ę.	CZ.	0900
ARSENIC	7440-38-2	0.050	N/A	N/A	N/A	ND	QN	0.012	0.012	Ð	GN	Ę	Ę	5	G GN	0000
BARIUM	7440-39-3	2.000	N/A	N/A	N/A	N	QN	Ð	QN	ď	S	0.25	30.0	2 5	2 5	0.000
BERYLLIUM	7440-41-7	0.004	N/A	N/A	N/A	QN.	Q	S	S	Ę	CN	CZ.C	3.5	D. S.	QN E	0.200
CADMIUM	7440-43-9	0.005	N/A	N/A	N/A	QX	S	Ę	2	G.	2 5	2 5		Q.	ON S	0.005
CHROMIUM	7440-47-3	0 100	N/A	N/A	N/A	Ę	1100				QVI	GNI	Q.	QN.	QN	0.005
COBALT	7440 40 4	***	****		77.7	QV.	410.0	ON.	QN	ND	ON	QN	Q	0.031	0.025	0.010
Tavaoo	101011		N/A	N/A	N/A	QN	QN	S	ΩΩ	Ð	2	Q.	2	QN	QN	0.010
COPPER	7440-50-8	1.300	N/A	N/A	N/A	£	N ON	QN	QN	£	S	ď	5	2	1100	0.00
LEAD	7439-92-1	0.015	N/A	N/A	N/A	Ę	S	5	CIV.	Ę	1			O. I.	0.011	0.010
NICKEL	7440-02-0	***	N/A	N/A	N/A	Ę	2	2	d.		CN.	dvi			ON	0.005
SELENIUM	7782-49-2	0.050	N/A	N/A	V/V	Ę	Ę		Q.		Q.	QN	2	Q	QN	0.040
CILVED	2 00 000	;		VIII.	UAI	CNI	N	QN	QN	QN	ND	ND	R	2	2	0.035
SILVER	4-77-044/		N/A	N/A	N/A	ND DI	ND	QN.	2	£	S	ND	Ð	Ę	Ę	0100
TALLIUM	7440-28-0	0.002	N/A	N/A	N/A	Q.	ON	QN.	Q.	S	ď	SZ.	2	1	9	010.0
VANADIUM	7440-62-2	***	N/A	N/A	N/A	Ð	S	CN.	E	5	CN.			D. S.	ON S	0.010
ZINC	7440-66-6	5.000	N/A	N/A	N/A	QN	0.025	S	Ę	5	S S		ON.	ON SE	2 5	0.050
									9	GNI	GNI	UND	UN	ON.	ND	0.020

LEYENDA

Metodo 8260: Método de Análisis para Volátiles según EPA SW-846 RL: Reporting Limit (límite de Reporte según método) en mg/L

MG/L: Mitigrams per Liter (miligramos por litro)
***: EPA no tienen un MCL establecido par este parámetro
MCL: Maximum Contaminant Level (Nivel Máximo de Contaminación) según EPA en mg/L

QuAQC: Quality Assurance/Quality Control (Muestras de Control de Calidad y Certeza)
 ND: ND Detectado
 NA: No Aplica
 Arrojó un resultado por encima del MCL establecido por EPA
 CON's: Compuestos Orgánicos Volátiles según listado requerido para este muestreo.

CAS NO: Chemical Abstract Service (identificadores numéricos para parámetro a ser analizado).

Hoja de Datos de Campo



935 1

SAMPLING EVENT LOCATION:			A CHARLE VICTOR LAND	WELL DEVELOPMENT DATA	<				
		SRS A	SRS ARECIBO			EVENT START TIME:	rime:		
DESCRIPTION OF WELL CONDITION				WE	WELL I.D. AND TYPE	TYPE	A Property of the Party of the		
		COMPLIANCE	压		COMPLIANCE	CE			
TATE A TOTAL OF THE PARTY.		2-3			3				
WEALHER		Sunny		Sumy	SUMA	1			
		GROUN	DWATER P	RESENCE D	ATA				
DEPTH OF WATER BEFORE DEVELOPME	ш	-2.28A L	4.78		4-93A	2.94			
DEPTH OF WATER AFTER DEVELOPMEN	フ	14,28#	9.70		4	10.00			
		WEL	L CONSTRU	WELL CONSTRUCTION DATA		40.22			
DEPTH OF WELL		30.0FT			41 KNFT				
HEIGHT OF CASING		2.50FT			3 00FT				
WELL DIAMETER		4 INCH			4 INCH				
LENGTH OF WATER COLUMN		25.77			33/				
VOLUME OF WATER IN COLUMN		91			21.00	0			
VOLUMES TO BE REMOVED FROM WELI	T	1600	1		1/2	0			
		WEL	L DEVELOR	WELL DEVELOPMENT DATA					
SURGE TECHNIQUE		PUMPBAILER	R		PTIMP/RAIT ER	FP		Drive on the same	
SURGE START TIME		2000	せ		160	2		romr/bailer	¥
SURGE END TIME		1003	8			10			
					101				
DEVELOPMENT (3 VOLUMES)		W-2			W-1				
FIELD PARAMETER DATA	VOL (1)	VOL (2)	VOL (3)	VOI (1)	VOI O	VOI (2)	Wor (A)	100.1	
GALLONS	5	4	2	7	(7) 70	(6)704	VOL (I)	VOL (2)	VOL (3)
WATER LEVEL (FT)	21.0	17.0)	13.0A	10.01	1000	1,000			
TIME (AM OR PM)	4260	1000	100%	1040	100001	41090			
TEMP (°C)	19.66	27.70	2.2	78.20	1000	1000			
SPECIFIC CONDUCTANCE(mS/cm)	THE	23	23	200	18:21	20.00			
PH	10.25	9.38	24.4	780	25.20	1/1/2			
TURBIDITY (ntu)	Sinter	gy mar	50.2 orts	A.C. 200	11 36	12.00			
DO (%)	30.7	9./.	a	1	1.6	231 776			
SALINITY	11.0	11.0	100	0.16	200	1.0			
COLOR	nuska	MINUT.	chart	1 11	0.10	0/3			
ODOR	May	1000	1400	alan		Clar			
SAMPLE TIME	11-6-11	1009/100	1000000	Link	Y	2	200		
COMMENTS		1	10/10/0	1-1-1-N	1075) /4	MW-1-2/1050			
EQUIPMENT		YSI PLUS							-
LOGGED IN THE FIELD BY:		END OF EVI	END OF EVENT AT (TIME):	E):		SIGNATIDE:			
					1	SIGNATORE			

8/6.0 126.0 11/8 0-2/4 0-321 0-3/8

8)

The state of the s	A W	WELL DEVELOPMENT DATA	MENI DATA	_				
SAMPLING EVENT LOCATION:	SRS	SRS ARECIBO			EVENT START TIME:	TIME:		
DESCRIPTION OF WELL CONDITION		The state of the s	A COLUMN TO THE OWN THE PROPERTY OF THE PARTY OF THE PART					
		The state of the s	WEL	WELL I.D. AND I YPE	IYPE			
	UPGRADIENT	LNI		COMPLIANCE	E		COMPLIANCE	LT.
STEP A THEFT IS	W-5			W-4			W-3	
WEALHER	DUNG							
		GROUNDWATER PRESENCE DATA	RESENCE DA	TA			Ducar	
DEPTH OF WATER BEFORE DEVELOPME		1000		10.00			1000	-
DEPTH OF WATER AFTER DEVELOPMEN	10	100		10.00			18:34	
		WELL CONSTRUCTION DATA	CTION DAT	4			18-37	
DEPTH OF WELL	42.00FT			KAET				
HEIGHT OF CASING	2 50FT			2 FORT			47.0FT	
WELL DIAMETER	4 INCH			4 PACH			2.5FT	
LENGTH OF WATER COLUMN	27	42		TINCE!	1		4 INCH	
VOLUME OF WATER IN COLUMN	310			10.	1/5		28-63	
VOLUMES TO BE REMOVED FROM THE I	7			7			do	
CECUTE TO BE NEWOVED FROM WELL		24		2824	24.		1894	
SI IBCE TECHNIQUE	WE	WELL DEVELOPMENT DATA	MENT DATA	_				
ONGE I ECHNIQUE	PUMPABAILER	ER	H	RUMPBAILER	R		PETMP/RAILER	-
SURGE START TIME	6/1	0		CRAK	6		100	
SURGE END TIME	2/1/	2		8080	0		0100	
							CILLO	-
DEVELOPMENT (3 VOLUMES)	W-5			W-4			11/2	
FIELD PARAMETER DATA	VOL (1) VOL (2)	VOL (3)	VOI. (1)	VOI (2)	VOT (2)	107	C-W	
GALLONS	0	╁	18	17	(c) (%)	NOT (I)	VOL (2)	VOL (3)
WATER LEVEL (FT)	0.01 14110	27.50	12.00	,		9	0	6
TIME (AM OR PM)	1/20 1/20	1	0000	10.86	200	28.87	18.81	18.64
TEMP (°C)	1	17.5	0010	phao	0000	00/20	10016	6160
SPECIFIC CONDITION NORTH	17	St. 78	28.21	28.28	25.06	28.76	27.69	22.67
PH	700	260	かのさ	089	165	たかか	17/17	206
TI ID BIDITY (act.)	16.34 4.87	10.26	42,27	9.84	9.26	11.25	10.36	10 18
DO (97)	1137 AM 540TW	610 AU	-21m	20.0 m		8	12900	
AT PAIRTY	6.7	10.2	2.0	1.9	1.3	_	3	A L
SALINITY	0/2 0.12	21-0	28.0	0,33	0.011			7
COLOR	ten	10/1	ascu	0000	7.75	6.10	1000	0.74
ODOR		100		inne	See	den	der	chest
SAMPLE TIME	W	- Jane		3		nohm	Mon	REN
COMMENTS	MM / 10011 12 CUM	1211 2-0	- MW-4-11BV	BKG 1/0954	Town-4-2	MW-3-16	924 1 mes	3-2 (92
EQUIPMENT	PST MTH TI PL LIS	TIE					,	
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0.172 0.70 0.169 0.461 0.493 0.426 0.291 0.283 0.243

Cadenas de Custodia



WO#: 2036880

-OF-CUSTODY / Analytical Request Document

-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Face Analytical www.pacelabs.com

2030800 GROUND WATER Page: REGULATORY AGENCY RCRA Site Location STATE: NPDES TSU MA Company Nam Invoice Inform Attention: Section C Reference: Pace Project ace Quote Address: 4101093 ACROLLA Reported to mis Const Project Name: Purchase Order No.: roject Number 2036880 3 Requested Due Date/TAT: 350 Fax: Section A Required Client Information: どうだけない。 302

DRINKING WATER

OTHER EDB

Requested Analysis Filtered (Y/N)

																					,
	Section D Required Client Information MAT	Matrix Codes			ö	COLLECTED				Prese	Preservatives	Î N /A	2								
	Drinking Water Water Water Product Soil/Solid	vater DW ter WW SL	= CEVB C=CC		COMPOSITE	CS 49	COMPOSITE	ОСТЕСТІОИ	s			1	09		/	2	(N/A)		, 00	0	T
	Sample IDs MUST BE UNIQUE Tissue Tissue	AR TO						та чмэт	ABNIATM bevn			tesT els	850		<u>/</u>	1	Chlorine	5		32	
# M3TI			XIATAM 3J9MA2	DATE	E TIME	IE DATE	E TIME		Unprese	HCI HNO ³ H ⁵ 20 ⁴	NaOH Na ₂ S ₂ O ₃	Methano Other Manalva	200				 Residual	الم الم	Project N	4	
-	TB-071816	ŋ	3		H	SIGO	18/6	AM	3	u			1	E	F			-	1000	O. Lab I.D.	T
7	M10-4-1	3	5			8/50	81685	2	マ	-3	_		7	E	-		2 5				Τ
m	MW-4-2	2	17			3155	1811 BSZ	7 KW	17	-			Y				2 3				T
4	MW-3-1	3	5				1816 0924	A OM	H	- W	50		×				2 :				T
S	Med	W	46			15/8	ere one	S and	4	a			Y								T
9	M.O. 2-1	W	WTS	10	3	S/124 C	Pool 1989	3 MB	7	13			×				1				T
~	-	7	218	6.	1	6218	9	AM I	h	1			7 7				2 ?				T
80		3	246		1	828	F 1057	T V	4	-			×				2 2				T
6	Miss	4	16		1	05/2	186 DS	7	ħ	1			××				2				T
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=	37	W	W16		4	2000	SK 115	52 M	3	- N			XX				2				T
12	7	2	210		-	155/8/6	6 120%	N	w	W			1				2				T
_	ADDITIONAL COMMENTS	α	ELINO	UISHED	RELINQUISHED BY / AFFILIATION	IATION	۵	DATE	TIME		ACCE	PTED BY	ACCEPTED BY / AFFILIATION	z	DATE	TIME		SAMPL	SAMPLE CONDITIONS	SNO	T
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-4	21861- POEDD-37P	-	W			K	5784		anes	1	20	LE)	7				0.0				T
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		ORIGINAL			SAM	SAMPLER NAME AND SIGNATURE	AND SIG	NATURE					,				о			log	T
						PRINT	PRINT Name of SAMPLER:	MPLER:		H	78	d	91:00	9	NOK DE		° ni qı	bəvid (N/Y)	stody d Cod	tni es (N/)	
							ATURE of SAMPLER:	MPLER:	A	28	2	D	MM/DD/YY)		1010		meT		eale		
	Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late	ccepting Pace's NET 3	30 day p	avment terr	ms and agree		charges of 1.5% per mor	nor month 6	1000	000	20				D				S	s	

F-ALL-Q-020rev.07, 15-May-2007

and agreeing to late charges of 1.5% per month for any SIGNATURE of SAMPLER: PRINT Name of SAMPLER:

'Important Note: By signing this form you are accepting Pace's NET 30 day pay

Pace Analytical

Sample Condition Upon Receip WO#:2036880

PM: JAR1

Due Date: 06/02/16

Urb. Jardines de Guaynabo

	Urb. Jardines de Guaynabo Calle Mrginal Blq A-10 Guaynabo, PR 00969			Project#	CLIENT: 98-GES PR
Courier: Pace Courier	☐ Hired Courier	□ Fed X	□U	PS 🗆 DHL	□ USPS ✓ Customer □ Othe
Custody Seal on Cooler/Box Pre	esent: [see	cocj			Custody Seals intact: □Yes □No
Therometer Used: Therm Fish	ner IR 6	Type of Ice	: (v	Vet Blue None	Samples on ice: [see COC]
Cooler Temperature: [see CO	OC] Tem	p should be a	above f	reezing to 6°C	Date and Initials of person examining contents:
Temp must be measured from Temp	erature blank when p	present		Comments:	•
Temperature Blank Present"?		□Yes ☑No	□n/a	1	
Chain of Custody Present:		∠yes □No	□n/a	2	
Chain of Custody Complete:		□yes □No	□n/a	3	
Chain of Custody Relinquished:		□Yes □No	□n/a	4	
Sampler Name & Signature on Co	OC:	Úyes □No	□N/A	5	
Samples Arrived within Hold Time	e:	□Yes □No	□N/A	6	
Sufficient Volume:		Yes 🗆 No	□N/A	7	
Correct Containers Used:		Yes No	□n/a	8	
iltered vol. Rec. for Diss. tests		□Yes □No	DWA	9	
Sample Labels match COC:		✓Yes □No	BN/A	10	
All containers received within mar precautionary and/or expiration da		Yes □No	□n/a	11	
All containers needing chemical p een checked (except VOA, colifo		□Yes □No	□N/A	12	
Il containers preservation checke compliance with EPA recommend		□Yes □No	⊠ N/A		eserative added? □Yes □No ord lot no.: HNO3 H2SO4
leadspace in VOA Vials (>6mm)):	□Yes □No	□N/A	14	
rip Blank Present:	•	Yes □No		15	
Client Notification/ Resolution:					
erson Contacted:					Date/Time:
omments/ Resolution:					
		2			

Sample Condition Upon Receipt

1000 Riverbend, Blvd., Suite F Project #: 20 St Rose, LA 70087 Courier: ☐ Pace Courier ☐ Hired Courier Fed X ☐ UPS □ DHL ☐ USPS ☐ Customer □ Other Custody Seal on Cooler/Box Present: [see COC] Custody Seals intact: ☐Yes ☐No □ Therm Fisher IR 5 Therometer □ Therm Fisher IR 6 Type of Ice: Blue None Samples on ice: [see COC] Used: Therm Fisher IR 7 Date and Initials of person examining contents: Cooler Temperature: [see COC] Temp should be above freezing to 6°C Temp must be measured from Temperature blank when present Comments: NIA Temperature Blank Present"? ☐Yes ☐No Chain of Custody Present: Yes No □N/A Yes DNo Chain of Custody Complete: □N/A Chain of Custody Relinquished: Yes No □N/A Sampler Name & Signature on COC: Yes No □N/A Eyes | No □N/A Samples Arrived within Hold Time: □N/A Sufficient Volume: Yes No Yes No □N/A Correct Containers Used: DYes DNo DNIA Filtered vol. Rec. for Diss. tests Sample Labels match COC: Yes \Quantum No □N/A All containers received within manafacture's ¥Yes □No □N/A precautionary and/or expiration dates. All containers needing chemical preservation have Yes No □N/A been checked (except VOA, coliform, & O&G) All containers preservation checked found to be in If No, was preserative added? □Yes □No Yes ONO ONIA compliance with EPA recommendation. If added record lot no.: HNO3 H2SO4 13 Headspace in VOA Vials (>6mm) □Yes □No NIA 14 ☐Yes No 15 Trip Blank Present: Client Notification/ Resolution: Person Contacted: Date/Time: Comments/ Resolution:

Resultados de Laboratorio







May 26, 2016

Isidro Perera GES PR 1418 Ave. Ponce De Leon Ave Suite 201 San Juan, PR 009074000

RE: Project: SRS ARECIBO

Pace Project No.: 2036880

Dear Isidro Perera:

Enclosed are the analytical results for sample(s) received by the laboratory on May 18, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Yeireliz Torres for Juan Redondo juan.redondo@pacelabs.com

Project Manager

Enclosures

cc: Efrain Camis Laura Lugo







CERTIFICATIONS

Project:

SRS ARECIBO

Pace Project No.:

2036880

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:

Florida Department of Health (NELAC): E87595 Illinois Environmental Protection Agency: 0025721 Kansas Department of Health and Environment (NELAC):

Louisiana Dept. of Environmental Quality (NELAC/LELAP):

02006

Pennsylviania Dept. of Env Protection (NELAC): 68-04202 Texas Commission on Env. Quality (NELAC):

T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-

Commonwealth of Virginia (TNI): 480246





SAMPLE SUMMARY

Project:

SRS ARECIBO

Pace Project No.:

2036880

Sample ID	Matrix	Date Collected	Date Received
TB-051816	Water	05/18/16 00:00	05/18/16 15:07
MW-4-1	Water	05/18/16 08:55	05/18/16 15:07
MW-4-2	Water	05/18/16 08:57	05/18/16 15:07
MW-3-1	Water	05/18/16 09:24	05/18/16 15:07
MW-3-2	Water	05/18/16 09:26	05/18/16 15:07
MW-2-1	Water	05/18/16 10:09	05/18/16 15:07
MW-2-2	Water	05/18/16 10:11	05/18/16 15:07
MW-1-1	Water	05/18/16 10:57	05/18/16 15:07
MW-1-2	Water	05/18/16 10:59	05/18/16 15:07
MW-5-1	Water	05/18/16 11:50	05/18/16 15:07
MW-5-2	Water	05/18/16 11:52	05/18/16 15:07
FB-051816	Water	05/18/16 12:05	05/18/16 15:07
	TB-051816 MW-4-1 MW-4-2 MW-3-1 MW-3-2 MW-2-1 MW-2-2 MW-1-1 MW-1-2 MW-5-1 MW-5-2	TB-051816 Water MW-4-1 Water MW-4-2 Water MW-3-1 Water MW-3-2 Water MW-2-1 Water MW-2-2 Water MW-1-1 Water MW-1-2 Water MW-5-1 Water MW-5-2 Water	TB-051816 Water 05/18/16 00:00 MW-4-1 Water 05/18/16 08:55 MW-4-2 Water 05/18/16 09:24 MW-3-1 Water 05/18/16 09:24 MW-3-2 Water 05/18/16 09:26 MW-2-1 Water 05/18/16 10:09 MW-2-2 Water 05/18/16 10:11 MW-1-1 Water 05/18/16 10:57 MW-1-2 Water 05/18/16 10:59 MW-5-1 Water 05/18/16 11:50 MW-5-2 Water 05/18/16 11:50



SAMPLE ANALYTE COUNT

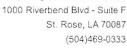
Project:

SRS ARECIBO

Pace Project No.:

2036880

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2036880001	TB-051816	EPA 8260	JRP	48	PASI-N
2036880002	MW-4-1	EPA 6010	MHB1	15	PASI-N
		EPA 8260	JRP	48	PASI-N
2036880003	MW-4-2	EPA 6010	MHB1	15	PASI-N
		EPA 8260	JRP	48	PASI-N
2036880004	MW-3-1	EPA 6010	MHB1	15	PASI-N
		EPA 8260	JRP	48	PASI-N
2036880005	MW-3-2	EPA 6010	MHB1	15	PASI-N
		EPA 8260	JRP	48	PASI-N
2036880006	MW-2-1	EPA 6010	MHB1	15	PASI-N
		EPA 8260	JRP	48	PASI-N
2036880007	MW-2-2	EPA 6010	MHB1	15	PASI-N
		EPA 8260	JRP	48	PASI-N
2036880008	MW-1-1	EPA 6010	MHB1	15	PASI-N
		EPA 8260	JRP	48	PASI-N
2036880009	MW-1-2	EPA 6010	MHB1	15	PASI-N
		EPA 8260	JRP	48	PASI-N
2036880010	MW-5-1	EPA 6010	MHB1	15	PASI-N
		EPA 8260	JRP	48	PASI-N
2036880011	MW-5-2	EPA 6010	MHB1	15	PASI-N
		EPA 8260	JRP	48	PASI-N
2036880012	FB-051816	EPA 8260	JRP	48	PASI-N





PROJECT NARRATIVE

Project:

SRS ARECIBO

Pace Project No.:

2036880

Method:

EPA 6010

Description: 6010 Metals, Total

Client:

GES PR

Date:

May 26, 2016

General Information:

10 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:



1000 Riverbend Blvd - Suite F St. Rose, LA 70087 (504)469-0333

PROJECT NARRATIVE

Project:

SRS ARECIBO

Pace Project No.:

2036880

Method:

EPA 8260

Description: 8260 MSV

GES PR

Client: Date:

May 26, 2016

General Information:

12 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Vater

CIADO

1000 Riverbend Blvd - Suite F

St. Rose, LA 70087 (504)469-0333



ANALYTICAL RESULTS

Project:

SRS ARECIBO

Pace Project No.: 2036880

Date: 05/26/2016 12:45 PM

Sample: TB-051816

Lab ID: 2036880001 Collected: 05/18/16 00:00 Received:

Parameters Results Units Report Limit DF Prepared CAS No. Analyzed Qual 8260 MSV Analytical Method: EPA 8260 Acetone 0.031 mg/L 0.010 1 05/20/16 10:55 67-64-1 Benzene ND mg/L 0.0050 1 05/20/16 10:55 71-43-2 Bromodichloromethane ND mg/L 0.0050 1 05/20/16 10:55 75-27-4 Bromoform ND mg/L 0.0050 1 05/20/16 10:55 75-25-2 Bromomethane ND mg/L 0.0050 05/20/16 10:55 74-83-9 2-Butanone (MEK) ND mg/L 0.010 05/20/16 10:55 78-93-3 Carbon disulfide ND mq/L 0.0050 1 05/20/16 10:55 75-15-0 05/20/16 10:55 56-23-5 Carbon tetrachloride ND mg/L 0.0050 1 Chlorobenzene ND 0.0050 mq/L 1 05/20/16 10:55 108-90-7 Chloroethane ND 0.0050 mg/L 1 05/20/16 10:55 75-00-3 Chloroform ND mg/L 0.0050 05/20/16 10:55 67-66-3 Chloromethane ND mg/L 0.0050 1 05/20/16 10:55 74-87-3 1,2-Dibromo-3-chloropropane ND mg/L 0.0050 05/20/16 10:55 96-12-8 Dibromochloromethane ND 0.0050 05/20/16 10:55 124-48-1 mg/L 1,2-Dibromoethane (EDB) ND 0.0050 mg/L 1 05/20/16 10:55 106-93-4 1,2-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 10:55 95-50-1 1,3-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 10:55 541-73-1 1,4-Dichlorobenzene ND 0.0050 mg/L 1 05/20/16 10:55 106-46-7 Dichlorodifluoromethane ND 0.0050 mg/L 1 05/20/16 10:55 75-71-8 1.1-Dichloroethane ND mg/L 0.0050 1 05/20/16 10:55 75-34-3 1.2-Dichloroethane ND mg/L 0.0050 1 05/20/16 10:55 107-06-2 1,1-Dichloroethene ND mg/L 0.0050 1 05/20/16 10:55 75-35-4 cis-1,2-Dichloroethene ND mg/L 0.0050 05/20/16 10:55 156-59-2 1 trans-1,2-Dichloroethene ND mg/L 0.0050 05/20/16 10:55 156-60-5 1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 10:55 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 10:55 10061-01-5 trans-1,3-Dichloropropene ND 0.0050 mg/L 1 05/20/16 10:55 10061-02-6 Ethylbenzene ND mg/L 0.0050 05/20/16 10:55 100-41-4 2-Hexanone ND mg/L 0.010 05/20/16 10:55 591-78-6 Isopropylbenzene (Cumene) ND mg/L 0.0050 05/20/16 10:55 98-82-8 Methyl acetate ND mg/L 0.010 05/20/16 10:55 79-20-9 Methylene Chloride ND mg/L 0.0050 05/20/16 10:55 75-09-2 4-Methyl-2-pentanone (MIBK) ND mg/L 0.010 05/20/16 10:55 108-10-1 Methyl-tert-butyl ether ND mq/L 0.0050 1 05/20/16 10:55 1634-04-4 Styrene ND mg/L 0.0050 1 05/20/16 10:55 100-42-5 1,1,2,2-Tetrachloroethane ND 0.0050 mg/L 1 05/20/16 10:55 79-34-5 Tetrachloroethene ND 0.0050 mg/L 1 05/20/16 10:55 127-18-4 Toluene ND 0.0050 mg/L 1 05/20/16 10:55 108-88-3 1,1,1-Trichloroethane ND mg/L 0.0050 1 05/20/16 10:55 71-55-6 1,1,2-Trichloroethane ND mg/L 0.0050 1 05/20/16 10:55 79-00-5 Trichloroethene ND mg/L 0.0050 1 05/20/16 10:55 79-01-6 Trichlorofluoromethane ND mg/L 0.0050 05/20/16 10:55 75-69-4 Vinyl chloride ND mg/L 0.0020 1 05/20/16 10:55 75-01-4 m&p-Xylene ND ma/L 0.010 1 05/20/16 10:55 179601-23-1 o-Xylene ND mg/L 0.0050 05/20/16 10:55 95-47-6 Surrogates Toluene-d8 (S) 100 % 70-123 05/20/16 10:55 2037-26-5

1000 Riverbend Blvd - Suite F

St. Rose, LA 70087 (504)469-0333



ANALYTICAL RESULTS

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SRS ARECIBO

Pace Project No.:

2036880

					19			
Sample: TB-051816	Lab ID: 203	6880001	Collected: 05/18/	16 00:00	Received:	15:07 NO. 15:07	Valer Valer	
Parameters	Results	Units	Report Limit	DF	Prepared	Amalyzod LIC	CAS No.	Qual
8260 MSV	Analytical Met	hod: EPA 82	60					
Surrogates								
4-Bromofluorobenzene (S)	98	%.	62-134	1		05/20/16 10:55	460-00-4	
Dibromofluoromethane (S)	101	%.	64-130	1		05/20/16 10:55		
Sample: MW-4-1	Lab ID: 203	6880002	Collected: 05/18/	16.08:55	Received: 0	5/18/16 15:07 N	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
						Analyzeu		— Quai
6010 Metals, Total	Analytical Met	nod: EPA 601	10 Preparation Met	hod: EPA	4 3010			
Antimony	ND	mg/L	0.060	1	05/20/16 05:00	05/25/16 00:03	7440-36-0	
Arsenic	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:03	7440-38-2	
Barium	0.25	mg/L	0.20	1	05/20/16 05:00	05/25/16 00:03	7440-39-3	
Beryllium	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:03	7440-41-7	
Cadmium	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:03	7440-43-9	
Chromium	ND	mg/L	0.010	1		05/25/16 00:03		
Cobalt	ND	mg/L	0.010	1		05/25/16 00:03		
Copper	ND	mg/L	0.010	1		05/25/16 00:03		
Lead	ND	mg/L	0.0050	1		05/25/16 00:03		
Nickel	ND	mg/L	0.040	1		05/25/16 00:03		
Selenium	ND	mg/L	0.020	1		05/25/16 00:03		
Silver	ND	mg/L	0.010	1		05/25/16 00:03		
Thallium	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:03	7440-28-0	
Vanadium	ND	mg/L	0.050	1		05/25/16 00:03		
Zinc	ND	mg/L	0.020	1		05/25/16 00:03		
8260 MSV	Analytical Meth	nod: EPA 826	00					
Acetone	0.021	mg/L	0.010	1		05/20/16 11:13	67-64-1	
Benzene	ND	mg/L	0.0050	1		05/20/16 11:13		
Bromodichloromethane	ND	mg/L	0.0050	1		05/20/16 11:13		
Bromoform	ND	mg/L	0.0050	1		05/20/16 11:13		
Bromomethane	ND	mg/L	0.0050	1		05/20/16 11:13		
2-Butanone (MEK)	ND	mg/L	0.010	1		05/20/16 11:13		
Carbon disulfide	ND	mg/L	0.0050	1		05/20/16 11:13		
Carbon tetrachloride	ND	mg/L	0.0050	1		05/20/16 11:13		
Chlorobenzene	ND	mg/L	0.0050	1		05/20/16 11:13		
Chloroethane	ND	mg/L	0.0050	1		05/20/16 11:13		
Chloroform	ND	mg/L	0.0050	1		05/20/16 11:13		
Chloromethane	ND	mg/L	0.0050	1		05/20/16 11:13		

REPORT OF LABORATORY ANALYSIS

0.0050

0.0050

0.0050

0.0050

0.0050

0.0050

0.0050

ND

ND

ND

ND

ND

ND

ND

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

1,2-Dibromo-3-chloropropane

Dibromochloromethane

1,2-Dichlorobenzene

1,3-Dichlorobenzene

1,4-Dichlorobenzene

Dichlorodifluoromethane

1,2-Dibromoethane (EDB)

05/20/16 11:13 96-12-8

05/20/16 11:13 124-48-1

05/20/16 11:13 106-93-4

05/20/16 11:13 95-50-1

05/20/16 11:13 541-73-1

05/20/16 11:13 106-46-7

05/20/16 11:13 75-71-8



Date: 05/26/2016 12:45 PM

Project:

ANALYTICAL RESULTS

SRS ARECIBO

Pace Project No.: 2036880

Sample: MW-4-1

Lab ID: 2036880002 Collected: 05/18/16 08:55 Received: 05/18/10-45

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8260 MSV	Analytical Met	thod: EPA 82	260					
1,1-Dichloroethane	ND	mg/L	0.0050	1		05/20/16 11:13	3 75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0050	1		05/20/16 11:13	N 10.000 10.000 1510	
1,1-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 11:13		
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 11:13		
trans-1,2-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 11:13		
1,2-Dichloropropane	ND	mg/L	0.0050	1		05/20/16 11:13		
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1		05/20/16 11:13		
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1		05/20/16 11:13		
Ethylbenzene	ND	mg/L	0.0050	1		05/20/16 11:13		
2-Hexanone	ND	mg/L	0.010	1		05/20/16 11:13	(A) 1.000 (1000) (1000)	
Isopropylbenzene (Cumene)	ND	mg/L	0.0050	1		05/20/16 11:13		
Methyl acetate	ND	mg/L	0.010	1		05/20/16 11:13		
Methylene Chloride	ND	mg/L	0.0050	1		05/20/16 11:13		
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.010	1		05/20/16 11:13		
Methyl-tert-butyl ether	ND	mg/L	0.0050	1		05/20/16 11:13		
Styrene	ND	mg/L	0.0050	1		05/20/16 11:13		
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1		05/20/16 11:13	SCHOOL STREET,	
Tetrachloroethene	ND	mg/L	0.0050	1		05/20/16 11:13		
Toluene	ND	mg/L	0.0050	1		05/20/16 11:13	5 100mm 500mm 200	
1,1,1-Trichloroethane	ND	mg/L	0.0050	1				
1.1.2-Trichloroethane	ND	mg/L	0.0050	1		05/20/16 11:13 05/20/16 11:13		
Trichloroethene	ND	mg/L	0.0050	1				
Trichlorofluoromethane	ND	mg/L	0.0050	1		05/20/16 11:13		
Vinyl chloride	ND	mg/L				05/20/16 11:13		
m&p-Xylene	ND		0.0020	1		05/20/16 11:13		
o-Xylene	ND	mg/L	0.010	1		05/20/16 11:13		
Surrogates	IND	mg/L	0.0050	1		05/20/16 11:13	95-47-6	
Foluene-d8 (S)	99	%.	70-123	1		0E/20/16 11:12	2027 20 5	
4-Bromofluorobenzene (S)	99	%.	62-134	1		05/20/16 11:13		
Dibromofluoromethane (S)	102	%.	64-130	1		05/20/16 11:13		
one members (b)	102	70.	04-130	1		05/20/16 11:13	1868-53-7	
Sample: MW-4-2	Lab ID: 203	6880003	Collected: 05/18/1	6 08:57	Received: 0	5/18/16 15:07 M	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

Maria (1900) Maria (1900) Maria (1900)	management make		00/10/10/1	0 00.0	reconved. Oc	3/10/10 13.07	iallix. Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Meth	nod: EPA 60	10 Preparation Meth	nod: EF	PA 3010			
Antimony	ND	mg/L	0.060	1	05/20/16 05:00	05/25/16 00:07	7440-36-0	
Arsenic	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:07	7440-38-2	
Barium	0.25	mg/L	0.20	1	05/20/16 05:00	05/25/16 00:07	7440-39-3	
Beryllium	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:07	7440-41-7	
Cadmium	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:07	7440-43-9	
Chromium	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:07	7440-47-3	
Cobalt	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:07	7440-48-4	
Copper	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:07	7440-50-8	
Lead	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:07	7439-92-1	
Nickel	ND	mg/L	0.040	1	05/20/16 05:00	05/25/16 00:07	7440-02-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc. 1900 Riverbend Blvd - Suite F

(504)469-0333

1000 Riverbend Blvd - Suite F

St. Rose, LA 70087 (504)469-0333



ANALYTICAL RESULTS

Project:

SRS ARECIBO

Pace Project No.:

2036880

Date: 05/26/2016 12:45 PM

Sample: MW-4-2 Lab ID: 2036880003 Collected: 05/18/16 08:57 Received:

Selenium	Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Siver	6010 Metals, Total	Analytical Met	hod: EPA 601	0 Preparation Meth	nod: EF	PA 3010			
Silver	Selenium	ND	mg/L	0.020	1	05/20/16 05:00	05/25/16 00:07	7782-49-2	
Thaillium	Silver	ND	mg/L	0.010	1				
ND	Thallium	ND	mg/L	0.010	1				
B260 MSV	Vanadium	ND	mg/L	0.050	1				
Acelone	Zinc	ND	mg/L	0.020	1				
Benzene	8260 MSV	Analytical Met	hod: EPA 826	0					
Bromodichloromethane	Acetone	0.016	mg/L	0.010	1		05/20/16 12:05	67-64-1	
Bromoform	Benzene	ND	mg/L	0.0050	1		05/20/16 12:05	71-43-2	
Bromoform ND mg/L 0.0050 1 05/20/16 12:05 75-25-2 Bromomethane ND mg/L 0.0050 1 05/20/16 12:05 74-83-9 2-Butanone (MEK) ND mg/L 0.0050 1 05/20/16 12:05 78-93-3 Carbon testrachloride ND mg/L 0.0050 1 05/20/16 12:05 75-15-0 Carbon testrachloride ND mg/L 0.0050 1 05/20/16 12:05 76-03-5 Chloroberacene ND mg/L 0.0050 1 05/20/16 12:05 78-03-5 Chlorosethane ND mg/L 0.0050 1 05/20/16 12:05 78-03-3 Chlorosethane ND mg/L 0.0050 1 05/20/16 12:05 78-66-3 Chlorosethane ND mg/L 0.0050 1 05/20/16 12:05 78-66-3 Chlorosethane ND mg/L 0.0050 1 05/20/16 12:05 78-87-3 1,2-Dichorosethane ND mg/L 0.0050 <td>Bromodichloromethane</td> <td>ND</td> <td>mg/L</td> <td>0.0050</td> <td>1</td> <td></td> <td>05/20/16 12:05</td> <td>75-27-4</td> <td></td>	Bromodichloromethane	ND	mg/L	0.0050	1		05/20/16 12:05	75-27-4	
Bromomethane	Bromoform	ND	mg/L	0.0050	1				
2-Butanone (MEK) ND mg/L 0.010 1 05/20/16 12:05 78-93-3 Carbon disulfide ND mg/L 0.0050 1 05/20/16 12:05 75-15-0 Carbon tetrachloride ND mg/L 0.0050 1 05/20/16 12:05 75-10-0 Chlorobenzene ND mg/L 0.0050 1 05/20/16 12:05 75-00-3 Chloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-00-3 Chloromethane ND mg/L 0.0050 1 05/20/16 12:05 76-6-3 Chloromethane ND mg/L 0.0050 1 05/20/16 12:05 74-87-3 1,2-Dibromo-3-chloropropane ND mg/L 0.0050 1 05/20/16 12:05 76-8-12-8 Dibromochloromethane ND mg/L 0.0050 1 05/20/16 12:05 76-12-8 1,2-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 12:05 76-9-14-8-1 1,3-Dichlorobenzene ND mg/	Bromomethane	ND	mg/L	0.0050	1				
Carbon disulfide ND mg/L 0.0050 1 05/20/16 12:05 75-15-0 Carbon tetrachloride ND mg/L 0.0050 1 05/20/16 12:05 56-23-5 Chlorobenzene ND mg/L 0.0050 1 05/20/16 12:05 56-23-5 Chloroform ND mg/L 0.0050 1 05/20/16 12:05 75-00-3 Chloroform ND mg/L 0.0050 1 05/20/16 12:05 67-66-3 Chloromethane ND mg/L 0.0050 1 05/20/16 12:05 67-66-3 Chloromethane ND mg/L 0.0050 1 05/20/16 12:05 96-12-8 Dibromochloromethane ND mg/L 0.0050 1 05/20/16 12:05 96-12-8 Dibromochloromethane ND mg/L 0.0050 1 05/20/16 12:05 96-12-8 Dibromochloromethane ND mg/L 0.0050 1 05/20/16 12:05 96-12-8 1,3-Dichlorobenzene ND mg/L <t< td=""><td>2-Butanone (MEK)</td><td>ND</td><td>mg/L</td><td>0.010</td><td>1</td><td></td><td></td><td></td><td></td></t<>	2-Butanone (MEK)	ND	mg/L	0.010	1				
Carbon tetrachloride ND mg/L 0.0050 1 05/20/16 12:05 56-23-5 Chlorobenzene ND mg/L 0.0050 1 05/20/16 12:05 75-00-3 Chloroform ND mg/L 0.0050 1 05/20/16 12:05 75-00-3 Chloromethane ND mg/L 0.0050 1 05/20/16 12:05 75-00-3 Chloromethane ND mg/L 0.0050 1 05/20/16 12:05 75-8-3 L2-Dibromo-3-chloropropane ND mg/L 0.0050 1 05/20/16 12:05 96-12-8 Dibromochloromethane ND mg/L 0.0050 1 05/20/16 12:05 96-12-8 Dibromochloromethane ND mg/L 0.0050 1 05/20/16 12:05 124-48-1 1,2-Dibromoethane (EDB) ND mg/L 0.0050 1 05/20/16 12:05 96-12-8 Dibromochloropetane ND mg/L 0.0050 1 05/20/16 12:05 96-55-1 1,4-Dichloropetane ND <td< td=""><td>Carbon disulfide</td><td>ND</td><td>mg/L</td><td>0.0050</td><td>1</td><td></td><td></td><td></td><td></td></td<>	Carbon disulfide	ND	mg/L	0.0050	1				
Chloroehazene	Carbon tetrachloride	ND	mg/L	0.0050	1				
Chloroethane	Chlorobenzene	ND	mg/L	0.0050	1				
Chloroform	Chloroethane	ND	mg/L	0.0050	1				
1,2-Dibromo-3-chloropropane	Chloroform	ND	mg/L	0.0050	1		05/20/16 12:05	67-66-3	
Dibromochloromethane ND mg/L 0.0050 1 05/20/16 12:05 124-48-1	Chloromethane	ND	mg/L	0.0050	1		05/20/16 12:05	74-87-3	
Dibromochloromethane ND mg/L 0.0050 1 05/20/16 12:05 124-48-1 1,2-Dibromochlane (EDB) ND mg/L 0.0050 1 05/20/16 12:05 106-93-4 1,2-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 12:05 95-50-1 1,3-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 12:05 541-73-1 1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 12:05 541-73-1 1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 12:05 75-71-8 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-71-8 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-34-3 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-34-3 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 1,2-Dichloroptopane ND mg/L 0.0050 1 05/20/16 12:05 75-87-5 1,2-Dichloroptopane ND mg/L 0.0050 1 05/20/16 12:05 78-87-5 1,2-Dichloroptopane ND mg/L 0.0050 1 05/20/16 12:05 78-	1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		05/20/16 12:05	96-12-8	
1,2-Dibromoethane (EDB) ND mg/L 0.0050 1 05/20/16 12:05 106-93-4 1,2-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 12:05 95-50-1 1,3-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 12:05 541-73-1 1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 12:05 564-77-71-8 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-71-8 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-34-3 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 707-06-2 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-34-3 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 1,2-Dichloroethane ND	Dibromochloromethane	ND	mg/L	0.0050	1				
1,2-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 12:05 95-50-1 1,3-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 12:05 541-73-1 1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 12:05 76-78-8 1,4-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-71-8 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-34-3 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 cis-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 cis-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 cis-1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 12:05 156-60-5 1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 12:05 166-60-5 1,2-Dichloropropane		ND	mg/L	0.0050	1				
1,3-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 12:05 541-73-1 1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 12:05 541-73-1 1,4-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-71-8 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-34-3 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 cis-1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 cis-1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 cis-1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 78-87-5 cis-1,2-Dichloroethane <	1,2-Dichlorobenzene	ND	mg/L	0.0050	1				
1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 12:05 106-46-7 Dichlorodifluoromethane ND mg/L 0.0050 1 05/20/16 12:05 75-71-8 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-34-3 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 1,1-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 0:s-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 cis-1,2-Dichloroptehene ND mg/L 0.0050 1 05/20/16 12:05 78-87-5 cis-1,3-Dichloropropane ND mg/L 0.0050 1 05/20/16 12:05 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-02-6 Ethylbenzene </td <td>1,3-Dichlorobenzene</td> <td>ND</td> <td>mg/L</td> <td>0.0050</td> <td>1</td> <td></td> <td></td> <td></td> <td></td>	1,3-Dichlorobenzene	ND	mg/L	0.0050	1				
Dichlorodifluoromethane ND mg/L 0.0050 1 05/20/16 12:05 75-71-8 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-34-3 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 107-06-2 1,1-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 cis-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 156-59-2 trans-1,2-Dichloropthene ND mg/L 0.0050 1 05/20/16 12:05 156-60-5 1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 12:05 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 12:05 100-41-4 2-Hexanone	1,4-Dichlorobenzene	ND	mg/L	0.0050	1				
1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 75-34-3 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 107-06-2 1,1-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 cis-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 156-59-2 trans-1,2-Dichloroptoethene ND mg/L 0.0050 1 05/20/16 12:05 156-60-5 1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 12:05 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 78-87-5 cishlylbenzene ND mg/L 0.0050 1 05/20/16 12:05 10061-01-5 Ethylbenzene ND mg/L 0.0050 1 05/20/16 12:05 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 12:05 100-41-4 2-Hexanone ND mg/L 0.010 1 05/20/16 12:05 591-78-6 <	Dichlorodifluoromethane	ND		0.0050	1				
1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 12:05 107-06-2 1,1-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 cis-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 156-59-2 trans-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 156-60-5 1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 12:05 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 12:05 100-41-4 2-Hexanone ND mg/L 0.0050 1 05/20/16 12:05 591-78-6 Isopropylbenzene (Cumene) ND mg/L 0.0050 1 05/20/16 12:05 79-20-9 Methyl acetate	1,1-Dichloroethane	ND		0.0050	1				
1,1-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 75-35-4 cis-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 156-59-2 trans-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 156-60-5 1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 12:05 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 12:05 100-41-4 2-Hexanone ND mg/L 0.0050 1 05/20/16 12:05 591-78-6 Isopropylbenzene (Cumene) ND mg/L 0.0050 1 05/20/16 12:05 591-78-6 Methyl acetate ND mg/L 0.0050 1 05/20/16 12:05 79-20-9 Methyl-2-pentanone (MIBK) ND mg/L 0.0050 1 05/20/16 12:05 108-10-1	1,2-Dichloroethane	ND	mg/L	0.0050	1				
cis-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 156-59-2 trans-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 156-60-5 1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 12:05 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 12:05 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 12:05 591-78-6 Isopropylbenzene (Cumene) ND mg/L 0.0050 1 05/20/16 12:05 591-78-6 Methyl acetate ND mg/L 0.0050 1 05/20/16 12:05 79-20-9 Methyl-2-pentano	1,1-Dichloroethene	ND	mg/L	0.0050	1				
trans-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 12:05 156-60-5 1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 12:05 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 12:05 100-41-4 2-Hexanone ND mg/L 0.010 1 05/20/16 12:05 591-78-6 Isopropylbenzene (Cumene) ND mg/L 0.0050 1 05/20/16 12:05 598-82-8 Methyl acetate ND mg/L 0.010 1 05/20/16 12:05 79-20-9 Methylene Chloride ND mg/L 0.0050 1 05/20/16 12:05 75-09-2 4-Methyl-2-pentanone (MIBK) ND mg/L 0.0050 1 05/20/16 12:05 108-10-1 Methyl-tert-butyl ether <td>cis-1,2-Dichloroethene</td> <td>ND</td> <td>mg/L</td> <td>0.0050</td> <td>1</td> <td></td> <td></td> <td></td> <td></td>	cis-1,2-Dichloroethene	ND	mg/L	0.0050	1				
1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 12:05 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 12:05 100-41-4 2-Hexanone ND mg/L 0.010 1 05/20/16 12:05 591-78-6 Isopropylbenzene (Cumene) ND mg/L 0.0050 1 05/20/16 12:05 591-78-6 Methyl acetate ND mg/L 0.0050 1 05/20/16 12:05 598-82-8 Methylene Chloride ND mg/L 0.0050 1 05/20/16 12:05 79-20-9 4-Methyl-2-pentanone (MIBK) ND mg/L 0.010 1 05/20/16 12:05 108-10-1 Methyl-tert-butyl ether ND mg/L 0.0050 1 05/20/16 12:05 108-10-1 Methyl-tert-butyl ether <td>trans-1,2-Dichloroethene</td> <td>ND</td> <td>mg/L</td> <td>0.0050</td> <td>1</td> <td></td> <td></td> <td></td> <td></td>	trans-1,2-Dichloroethene	ND	mg/L	0.0050	1				
cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 12:05 100-41-4 2-Hexanone ND mg/L 0.010 1 05/20/16 12:05 591-78-6 Isopropylbenzene (Cumene) ND mg/L 0.0050 1 05/20/16 12:05 598-82-8 Methyl acetate ND mg/L 0.010 1 05/20/16 12:05 79-20-9 Methylene Chloride ND mg/L 0.0050 1 05/20/16 12:05 75-09-2 4-Methyl-2-pentanone (MIBK) ND mg/L 0.010 1 05/20/16 12:05 108-10-1 Methyl-tert-butyl ether ND mg/L 0.0050 1 05/20/16 12:05 108-10-1 Styrene ND mg/L 0.0050 1 05/20/16 12:05 100-42-5	1,2-Dichloropropane	ND	mg/L	0.0050	1				
trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 12:05 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 12:05 100-41-4 2-Hexanone ND mg/L 0.010 1 05/20/16 12:05 591-78-6 Isopropylbenzene (Cumene) ND mg/L 0.0050 1 05/20/16 12:05 598-82-8 Methyl acetate ND mg/L 0.010 1 05/20/16 12:05 79-20-9 Methylene Chloride ND mg/L 0.0050 1 05/20/16 12:05 75-09-2 4-Methyl-2-pentanone (MIBK) ND mg/L 0.010 1 05/20/16 12:05 108-10-1 Methyl-tert-butyl ether ND mg/L 0.0050 1 05/20/16 12:05 1634-04-4 Styrene ND mg/L 0.0050 1 05/20/16 12:05 100-42-5		ND	mg/L	0.0050	1				
Ethylbenzene ND mg/L 0.0050 1 05/20/16 12:05 100-41-4 2-Hexanone ND mg/L 0.010 1 05/20/16 12:05 591-78-6 Isopropylbenzene (Cumene) ND mg/L 0.0050 1 05/20/16 12:05 98-82-8 Methyl acetate ND mg/L 0.010 1 05/20/16 12:05 79-20-9 Methylene Chloride ND mg/L 0.0050 1 05/20/16 12:05 75-09-2 4-Methyl-2-pentanone (MIBK) ND mg/L 0.010 1 05/20/16 12:05 108-10-1 Methyl-tert-butyl ether ND mg/L 0.0050 1 05/20/16 12:05 1634-04-4 Styrene ND mg/L 0.0050 1 05/20/16 12:05 100-42-5	trans-1,3-Dichloropropene	ND	mg/L	0.0050	1				
Sopropylbenzene (Cumene) ND mg/L 0.0050 1 05/20/16 12:05 98-82-8	Ethylbenzene	ND	mg/L	0.0050	1				
Methyl acetate ND mg/L 0.010 1 05/20/16 12:05 79-20-9 Methylene Chloride ND mg/L 0.0050 1 05/20/16 12:05 75-09-2 4-Methyl-2-pentanone (MIBK) ND mg/L 0.010 1 05/20/16 12:05 108-10-1 Methyl-tert-butyl ether ND mg/L 0.0050 1 05/20/16 12:05 1634-04-4 Styrene ND mg/L 0.0050 1 05/20/16 12:05 100-42-5	2-Hexanone	ND	mg/L	0.010	1		05/20/16 12:05	591-78-6	
Methylene Chloride ND mg/L 0.0050 1 05/20/16 12:05 75-09-2 4-Methyl-2-pentanone (MIBK) ND mg/L 0.010 1 05/20/16 12:05 108-10-1 Methyl-tert-butyl ether ND mg/L 0.0050 1 05/20/16 12:05 1634-04-4 Styrene ND mg/L 0.0050 1 05/20/16 12:05 100-42-5	Isopropylbenzene (Cumene)	ND	mg/L	0.0050	1		05/20/16 12:05	98-82-8	
4-Methyl-2-pentanone (MIBK) ND mg/L 0.010 1 05/20/16 12:05 108-10-1 Methyl-tert-butyl ether ND mg/L 0.0050 1 05/20/16 12:05 1634-04-4 Styrene ND mg/L 0.0050 1 05/20/16 12:05 100-42-5	Methyl acetate	ND	mg/L	0.010	1		05/20/16 12:05	79-20-9	
4-Methyl-2-pentanone (MIBK) ND mg/L 0.010 1 05/20/16 12:05 108-10-1 Methyl-tert-butyl ether ND mg/L 0.0050 1 05/20/16 12:05 1634-04-4 Styrene ND mg/L 0.0050 1 05/20/16 12:05 100-42-5	Methylene Chloride	ND	mg/L	0.0050	1		05/20/16 12:05	75-09-2	
Methyl-tert-butyl ether ND mg/L 0.0050 1 05/20/16 12:05 1634-04-4 Styrene ND mg/L 0.0050 1 05/20/16 12:05 100-42-5	4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.010	1				
14.00 Televalle (1)	Methyl-tert-butyl ether	ND	mg/L	0.0050	1				
1400 T-1-11	Styrene	ND	mg/L	0.0050	1		05/20/16 12:05	100-42-5	
	1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1				
Tetrachloroethene ND mg/L 0.0050 1 05/20/16 12:05 127-18-4	Tetrachloroethene	ND		0.0050	1				
Toluene ND mg/L 0.0050 1 05/20/16 12:05 108-88-3	Toluene	ND	mg/L	0.0050	1				
1,1,1-Trichloroethane ND mg/L 0.0050 1 05/20/16 12:05 71-55-6		ND	mg/L	0.0050	1				
1,1,2-Trichloroethane ND mg/L 0.0050 1 05/20/16 12:05 79-00-5	1,1,2-Trichloroethane	ND	mg/L	0.0050	1				

REPORT OF LABORATORY ANALYSIS

1000 Riverbend Blvd - Suite F

St. Rose, LA 70087 (504)469-0333



ANALYTICAL RESULTS

Project:

SRS ARECIBO

Pace Project No.:

2036880

Sample:	MW-4-2

Lab ID: 2036880003

Collected: 05/18/16 08:57

Received:

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Meth	nod: EPA 8260					-	
Trichloroethene	ND	mg/L	0.0050	1		05/20/16 12:05	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0050	1		05/20/16 12:05		
Vinyl chloride	ND	mg/L	0.0020	1		05/20/16 12:05	75-01-4	
m&p-Xylene	ND	mg/L	0.010	1		05/20/16 12:05	179601-23-1	
o-Xylene	ND	mg/L	0.0050	1		05/20/16 12:05	95-47-6	
Surrogates		(5)					1503 101 (E)	
Toluene-d8 (S)	101	%.	70-123	1		05/20/16 12:05	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	62-134	1		05/20/16 12:05	460-00-4	
Dibromofluoromethane (S)	102	%.	64-130	1		05/20/16 12:05	1868-53-7	

Sample: MW-3-1	Lab ID: 203	6880004	Collected: 05/18/1	6 09:2	4 Received: 05	5/18/16 15:07 N	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Met	hod: EPA 60	010 Preparation Meth	nod: EF	PA 3010			
Antimony	ND	mg/L	0.060	1	05/20/16 05:00	05/25/16 00:11	7440-36-0	
Arsenic	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:11	7440-38-2	
Barium	ND	mg/L	0.20	1	05/20/16 05:00	05/25/16 00:11	7440-39-3	
Beryllium	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:11	7440-41-7	
Cadmium	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:11	7440-43-9	
Chromium	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:11	7440-47-3	
Cobalt	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:11	7440-48-4	
Copper	ND	mg/L	0.010	1		05/25/16 00:11	7440-50-8	
Lead	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:11	7439-92-1	
Nickel	ND	mg/L	0.040	1	05/20/16 05:00	05/25/16 00:11	7440-02-0	
Selenium	ND	mg/L	0.020	1		05/25/16 00:11		
Silver	ND	mg/L	0.010	1		05/25/16 00:11		
Thallium	ND	mg/L	0.010	1		05/25/16 00:11		
Vanadium	ND	mg/L	0.050	1	05/20/16 05:00			
Zinc	ND	mg/L	0.020	1	05/20/16 05:00	05/25/16 00:11		
8260 MSV	Analytical Meth	nod: EPA 82	.60					
Acetone	0.014	mg/L	0.010	1		05/20/16 12:23	67-64-1	
Benzene	ND	mg/L	0.0050	1		05/20/16 12:23	71-43-2	
Bromodichloromethane	ND	mg/L	0.0050	1		05/20/16 12:23	75-27-4	
Bromoform	ND	mg/L	0.0050	1		05/20/16 12:23		
Bromomethane	ND	mg/L	0.0050	1		05/20/16 12:23	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.010	1		05/20/16 12:23		
Carbon disulfide	ND	mg/L	0.0050	1		05/20/16 12:23		
Carbon tetrachloride	ND	mg/L	0.0050	1		05/20/16 12:23		
Chlorobenzene	ND	mg/L	0.0050	1		05/20/16 12:23		
Chloroethane	ND	mg/L	0.0050	1		05/20/16 12:23		
Chloroform	ND	mg/L	0.0050	1		05/20/16 12:23		
Chloromethane	ND	mg/L	0.0050	1		05/20/16 12:23		
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		05/20/16 12:23		



ANALYTICAL RESULTS

Project:

SRS ARECIBO

Pace Project No.:

2036880

Sample: MW-3-1

Date: 05/26/2016 12:45 PM

Lab ID: 2036880004

Collected: 05/18/16 09:24

Receive

Parameters	Results	Units	Report Limit	DF	Prepared (Analyses CAS No. Qual
8260 MSV	Analytical Meth	nod: EPA 8260	0		
Dibromochloromethane	ND	mg/L	0.0050	1	05/20/16 12:23 124-48-1
1,2-Dibromoethane (EDB)	ND	mg/L	0.0050	1	05/20/16 12:23 106-93-4
1,2-Dichlorobenzene	ND	mg/L	0.0050	1	05/20/16 12:23 95-50-1
1,3-Dichlorobenzene	ND	mg/L	0.0050	1	05/20/16 12:23 541-73-1
1,4-Dichlorobenzene	ND	mg/L	0.0050	1	05/20/16 12:23 106-46-7
Dichlorodifluoromethane	ND	mg/L	0.0050	1	05/20/16 12:23 75-71-8
1,1-Dichloroethane	ND	mg/L	0.0050	1	05/20/16 12:23 75-34-3
1,2-Dichloroethane	ND	mg/L	0.0050	1	05/20/16 12:23 107-06-2
1,1-Dichloroethene	ND	mg/L	0.0050	1	05/20/16 12:23 75-35-4
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1	05/20/16 12:23 156-59-2
trans-1,2-Dichloroethene	ND	mg/L	0.0050	1	05/20/16 12:23 156-60-5
1,2-Dichloropropane	ND	mg/L	0.0050	1	05/20/16 12:23 78-87-5
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1	05/20/16 12:23 10061-01-5
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1	05/20/16 12:23 10061-02-6
Ethylbenzene	ND	mg/L	0.0050	1	05/20/16 12:23 100-41-4
2-Hexanone	ND	mg/L	0.010	1	05/20/16 12:23 591-78-6
Isopropylbenzene (Cumene)	ND	mg/L	0.0050	1	05/20/16 12:23 98-82-8
Methyl acetate	ND	mg/L	0.010	1	05/20/16 12:23 79-20-9
Methylene Chloride	ND	mg/L	0.0050	1	05/20/16 12:23 75-09-2
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.010	1	05/20/16 12:23 108-10-1
Methyl-tert-butyl ether	ND	mg/L	0.0050	1	05/20/16 12:23 1634-04-4
Styrene	ND	mg/L	0.0050	1	05/20/16 12:23 100-42-5
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1	05/20/16 12:23 79-34-5
Tetrachloroethene	ND	mg/L	0.0050	1	05/20/16 12:23 127-18-4
Toluene	ND	mg/L	0.0050	1	05/20/16 12:23 108-88-3
1,1,1-Trichloroethane	ND	mg/L	0.0050	1	05/20/16 12:23 71-55-6
1,1,2-Trichloroethane	ND	mg/L	0.0050	1	05/20/16 12:23 79-00-5
Trichloroethene	ND	mg/L	0.0050	1	05/20/16 12:23 79-01-6
Trichlorofluoromethane	ND	mg/L	0.0050	1	05/20/16 12:23 75-69-4
Vinyl chloride	ND	mg/L	0.0020	1	05/20/16 12:23 75-01-4
m&p-Xylene	ND	mg/L	0.010	1	05/20/16 12:23 179601-23-1
o-Xylene	ND	mg/L	0.0050	1	05/20/16 12:23 95-47-6
Surrogates					
Toluene-d8 (S)	101	%.	70-123	1	05/20/16 12:23 2037-26-5
4-Bromofluorobenzene (S)	100	%.	62-134	1	05/20/16 12:23 460-00-4
Dibromofluoromethane (S)	102	%.	64-130	1	05/20/16 12:23 1868-53-7

Sample: MW-3-2	Lab ID: 203	6880005	Collected: 05/18/1	6 09:26	Received: 05	5/18/16 15:07 N	Matrix: Water	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Met	hod: EPA 60	10 Preparation Meth	nod: EP	A 3010			
Antimony	ND	mg/L	0.060	1	05/20/16 05:00	05/25/16 00:15	7440-36-0	
Arsenic	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:15	7440-38-2	
Barium	ND	mg/L	0.20	1	05/20/16 05:00	05/25/16 00:15	7440-39-3	
Beryllium	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:15	7440-41-7	

1000 Riverbend Blvd - Suite F

St. Rose, LA 70087 (504)469-0333



ANALYTICAL RESULTS

Project:

SRS ARECIBO

Pace Project No.:

2036880

Sample: MW-3-2

Lab ID: 2036880005

Collected: 05/18/16 09:26

Received:

Parameters	Results	Units	Report Limit	DF	Prepared	AMUCO TO	AS No.	Qual
6010 Metals, Total	Analytical Meth	nod: EPA 601	0 Preparation Meth	od: EF	PA 3010			
Cadmium	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:15	7440-43-9	
Chromium	ND	mg/L	0.010	1		05/25/16 00:15		
Cobalt	ND	mg/L	0.010	1		05/25/16 00:15		
Copper	ND	mg/L	0.010	1		05/25/16 00:15		
Lead	ND	mg/L	0.0050	1		05/25/16 00:15		
Nickel	ND	mg/L	0.040	1		05/25/16 00:15		
Selenium	ND	mg/L	0.020	1		05/25/16 00:15		
Silver	ND	mg/L	0.010	1		05/25/16 00:15		
Thallium	ND	mg/L	0.010	1		05/25/16 00:15		
Vanadium	ND	mg/L	0.050	1		05/25/16 00:15		
Zinc	ND	mg/L	0.020	1		05/25/16 00:15		
8260 MSV	Analytical Meth				00,20,10 00.00	00,20,10 00.10	7440 00 0	
Acatona	0.046	n	0.040			05/00/10 10 10		
Acetone	0.016	mg/L	0.010	1		05/20/16 12:40		
Benzene	ND	mg/L	0.0050	1		05/20/16 12:40		
Bromodichloromethane	ND	mg/L	0.0050	1		05/20/16 12:40		
Bromoform	ND	mg/L	0.0050	1		05/20/16 12:40		
Bromomethane	ND	mg/L	0.0050	1		05/20/16 12:40		
2-Butanone (MEK)	ND	mg/L	0.010	1		05/20/16 12:40	78-93-3	
Carbon disulfide	ND	mg/L	0.0050	1		05/20/16 12:40	75-15-0	
Carbon tetrachloride	ND	mg/L	0.0050	1		05/20/16 12:40	56-23-5	
Chlorobenzene	ND	mg/L	0.0050	1		05/20/16 12:40	108-90-7	
Chloroethane	ND	mg/L	0.0050	1		05/20/16 12:40	75-00-3	
Chloroform	ND	mg/L	0.0050	1		05/20/16 12:40	67-66-3	
Chloromethane	ND	mg/L	0.0050	1		05/20/16 12:40	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		05/20/16 12:40	96-12-8	
Dibromochloromethane	ND	mg/L	0.0050	1		05/20/16 12:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0050	1		05/20/16 12:40	106-93-4	
1,2-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 12:40	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 12:40	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 12:40	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0050	1		05/20/16 12:40		
1,1-Dichloroethane	ND	mg/L	0.0050	1		05/20/16 12:40		
1,2-Dichloroethane	ND	mg/L	0.0050	1		05/20/16 12:40		
1,1-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 12:40		
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 12:40		
trans-1,2-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 12:40		
1,2-Dichloropropane	ND	mg/L	0.0050	1		05/20/16 12:40		
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1		05/20/16 12:40		
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1		05/20/16 12:40		
Ethylbenzene	ND	mg/L	0.0050	1		05/20/16 12:40		
2-Hexanone	ND	mg/L	0.010	1		05/20/16 12:40		
Isopropylbenzene (Cumene)	ND	mg/L	0.0050	1				
Methyl acetate	ND		0.0030			05/20/16 12:40		
Methylene Chloride	ND	mg/L mg/l	0.010	1		05/20/16 12:40		
4-Methyl-2-pentanone (MIBK)		mg/L		1		05/20/16 12:40		
Methyl-tert-butyl ether	ND	mg/L	0.010	1		05/20/16 12:40		
metry-tert-butyr ether	ND	mg/L	0.0050	1		05/20/16 12:40	1634-04-4	

St. Rose, LA 70087 (504)469-0333



ANALYTICAL RESULTS

Project:

SRS ARECIBO

Pace Project No.:

2036880

Sample:	MW-3-2

Lab ID: 2036880005

Collected: 05/18/16 09:26

Received, 05/18

Parameters	Results	Units	Report Limit	DF	Prepared Analyza	W SAS No.	Qual
8260 MSV	Analytical Met	nod: EPA 8260)		MAN LIE	MATTER	2
Styrene	ND	mg/L	0.0050	1	05/20/16 12:40	100-42-5	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1	05/20/16 12:40		
Tetrachloroethene	ND	mg/L	0.0050	1	05/20/16 12:40		
Toluene	ND	mg/L	0.0050	1	05/20/16 12:40	108-88-3	
1,1,1-Trichloroethane	ND	mg/L	0.0050	1	05/20/16 12:40	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0050	1	05/20/16 12:40	79-00-5	
Trichloroethene	ND	mg/L	0.0050	1	05/20/16 12:40		
Trichlorofluoromethane	ND	mg/L	0.0050	1	05/20/16 12:40	Marie America	
Vinyl chloride	ND	mg/L	0.0020	1	05/20/16 12:40		
m&p-Xylene	ND	mg/L	0.010	1	05/20/16 12:40	AND DESCRIPTION OF THE PARTY OF	
o-Xylene	ND	mg/L	0.0050	1	05/20/16 12:40		
Surrogates					33,23, 73 .20	00 11 0	
Toluene-d8 (S)	101	%.	70-123	1	05/20/16 12:40	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	62-134	1	05/20/16 12:40	460-00-4	
Dibromofluoromethane (S)	103	%.	64-130	1	05/20/16 12:40	1868-53-7	

Sample: MW-2-1	Lab ID: 203	6880006	Collected: 05/18/1	6 10:09	Received: 05	5/18/16 15:07 N	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Meth	nod: EPA 60	110 Preparation Meth	nod: EP	A 3010			
Antimony	ND	mg/L	0.060	1	05/20/16 05:00	05/25/16 00:19	7440-36-0	
Arsenic	0.012	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:19	7440-38-2	
Barium	ND	mg/L	0.20	1	05/20/16 05:00	05/25/16 00:19	7440-39-3	
Beryllium	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:19	7440-41-7	
Cadmium	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:19	7440-43-9	
Chromium	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:19	7440-47-3	
Cobalt	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:19	7440-48-4	
Copper	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:19	7440-50-8	
Lead	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:19	7439-92-1	
Nickel	ND	mg/L	0.040	1	05/20/16 05:00	05/25/16 00:19	7440-02-0	
Selenium	ND	mg/L	0.020	1	05/20/16 05:00	05/25/16 00:19	7782-49-2	
Silver	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:19	7440-22-4	
Thallium	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:19	7440-28-0	
Vanadium	ND	mg/L	0.050	1	05/20/16 05:00	05/25/16 00:19	7440-62-2	
Zinc	ND	mg/L	0.020	1	05/20/16 05:00	05/25/16 00:19	7440-66-6	
8260 MSV	Analytical Meth	nod: EPA 82	60					
Acetone	0.012	mg/L	0.010	1		05/20/16 12:58	67-64-1	
Benzene	ND	· mg/L	0.0050	1		05/20/16 12:58	71-43-2	
Bromodichloromethane	ND	mg/L	0.0050	1		05/20/16 12:58		
Bromoform	ND	mg/L	0.0050	1		05/20/16 12:58		
Bromomethane	ND	mg/L	0.0050	1		05/20/16 12:58		
2-Butanone (MEK)	ND	mg/L	0.010	1		05/20/16 12:58		
Carbon disulfide	ND	mg/L	0.0050	1	,	05/20/16 12:58		

St. Rose, LA 70087 (504)469-0333



ANALYTICAL RESULTS

Project:

SRS ARECIBO

Pace Project No.:

Sample: MW-2-1

2036880

Lab ID: 2036880006

Collected: 05/18/16 10:09

Received

Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzéd	CAS No.	Qual
8260 MSV	Analytical Meth	nod: EPA 826	0					
Carbon tetrachloride	ND	mg/L	0.0050	1		05/20/16 12:58	56-23-5	
Chlorobenzene	ND	mg/L	0.0050	1		05/20/16 12:58		
Chloroethane	ND	mg/L	0.0050	1		05/20/16 12:58		
Chloroform	ND	mg/L	0.0050	1		05/20/16 12:58		
Chloromethane	ND	mg/L	0.0050	1		05/20/16 12:58		
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		05/20/16 12:58		
Dibromochloromethane	ND	mg/L	0.0050	1		05/20/16 12:58		
1,2-Dibromoethane (EDB)	ND	mg/L	0.0050	1		05/20/16 12:58		
1,2-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 12:58		
1,3-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 12:58		
1,4-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 12:58		
Dichlorodifluoromethane	ND	mg/L	0.0050	1		05/20/16 12:58		
1,1-Dichloroethane	ND	mg/L	0.0050	1		05/20/16 12:58		
1,2-Dichloroethane	ND	ma/L	0.0050	1		05/20/16 12:58		
1,1-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 12:58		
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 12:58		
trans-1,2-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 12:58		
1,2-Dichloropropane	ND	mg/L	0.0050	1		05/20/16 12:58		
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1		05/20/16 12:58		
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1		05/20/16 12:58		
Ethylbenzene	ND	mg/L	0.0050	1		05/20/16 12:58		
2-Hexanone	ND	mg/L	0.010	1		05/20/16 12:58		
Isopropylbenzene (Cumene)	ND	mg/L	0.0050	1		05/20/16 12:58		
Methyl acetate	ND	mg/L	0.010	1		05/20/16 12:58		
Methylene Chloride	ND	mg/L	0.0050	1		05/20/16 12:58		
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.010	1		05/20/16 12:58		
Methyl-tert-butyl ether	ND	mg/L	0.0050	1		05/20/16 12:58		
Styrene	ND	mg/L	0.0050	1		05/20/16 12:58		
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1		05/20/16 12:58		
Tetrachloroethene	ND	mg/L	0.0050	1		05/20/16 12:58		
Toluene	ND	mg/L	0.0050	1				
1,1,1-Trichloroethane	ND	mg/L	0.0050	1		05/20/16 12:58		
1,1,2-Trichloroethane	ND	mg/L	0.0050	1		05/20/16 12:58		
Trichloroethene	ND	mg/L	0.0050	1		05/20/16 12:58		
Trichlorofluoromethane	ND	0		1		05/20/16 12:58		
Vinyl chloride		mg/L	0.0050			05/20/16 12:58		
m&p-Xylene	ND ND	mg/L	0.0020	1		05/20/16 12:58		
o-Xylene	ND	mg/L	0.010	1		05/20/16 12:58		
Surrogates	ND	mg/L	0.0050	1		05/20/16 12:58	95-47-6	
Toluene-d8 (S)	101	%.	70-123	1		05/20/10 10:50	2027 20 5	
4-Bromofluorobenzene (S)	98	%.	70-123 62-134	1		05/20/16 12:58		
Dibromofluoromethane (S)	104		A STATE OF THE STA			05/20/16 12:58		
Dibromondoromethane (5)	104	%.	64-130	1		05/20/16 12:58	1868-53-7	

St. Rose, LA 70087 (504)469-0333



ANALYTICAL RESULTS

Project:

SRS ARECIBO

Pace Project No.:

2036880

Sample: MW-2-2

Lab ID: 2036880007

Collected: 05/18/16 10:11

Receive

Parameters Results Units Report Limit DF Preparation Method: EPA 3010	Parameters	Results	Units	Donast Limit	DF	Danasad	Analyzed W	CARNE	0
Anifilmony	T drameters	- IXesuits	Offics		DF	Prepared	Analyzeo	CAS No.	- Quai
Assentic 0.012 mg/L 0.010 1 0.5/20/16 05:00 05/25/16 00.022 7/440-39-3	6010 Metals, Total	Analytical Met	hod: EPA 6010	Preparation Meth	nod: EF	PA 3010			
Bailum	Antimony	ND	mg/L	0.060	1	05/20/16 05:00	05/25/16 00:22	7440-36-0	
Benyllium	Arsenic	0.012	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:22	7440-38-2	
Beryllium	Barium	ND		0.20	1	05/20/16 05:00	05/25/16 00:22	7440-39-3	
Cadmium	Beryllium	ND		0.0050	1				
Chromium	Cadmium	ND		0.0050	1				
Cobail	Chromium	ND		0.010	1				
Copper ND mg/L 0.010 1 0.520/16 05:00 05/25/16 00:22 744,50-8 Lead ND mg/L 0.050 1 0.520/16 05:00 05/25/16 00:22 7439-92-1 Nickel ND mg/L 0.040 1 05/20/16 05:00 05/25/16 00:22 7742-02-0 Selenium ND mg/L 0.010 1 05/20/16 05:00 05/25/16 00:22 7742-02-2 Thallium ND mg/L 0.010 1 05/20/16 05:00 05/25/16 00:22 7740-22-4 Vanadium ND mg/L 0.020 1 05/20/16 05:00 05/25/16 00:22 7740-66-6 8260 MSV Analytical Method: EPA 8260 8 8 8 6 6-6-4-1 Acetone 0.017 mg/L 0.010 1 0.5/20/16 13:15 6-6-4-1 Benzene ND mg/L 0.0050 1 0.5/20/16 13:15 71-2-2 Bromodiciblromethane ND mg/L 0.0050 1 0.5/2	Cobalt	ND		0.010	1	05/20/16 05:00	05/25/16 00:22	7440-48-4	
Lead	Copper	ND		0.010	1				
Nicke ND mg/L 0.040 1 05/20/16 05.00 05/25/16 00.22 7440-02-0	Lead	ND	mg/L	0.0050	1				
Selenium	Nickel	ND		0.040	1				
Silver ND mg/L 0.010 1 0.5/20/16 05.00 0.5/25/16 00.22 7440-22-0	Selenium	ND		0.020	1				
Thallitum ND mg/L 0.010 1 05/20/16 05:00 05/25/16 00:22 7440-82-2 Vanadium ND mg/L 0.050 1 05/20/16 05:00 05/25/16 00:22 7440-82-2 Zinc ND mg/L 0.020 1 05/20/16 05:00 05/25/16 00:22 7440-82-2 8260 MSV Analytical Methact EPA 8260 Section S	Silver	ND		0.010	1				
Vanadium ND mg/L mg/L mg/L no.050 1 no.0520 no.0525/16 00:22 7440-62-2 rath-66-6 8260 MSV Analytical Method: EPA 8260 8260 MSV Analytical Method: EPA 8260 Racetone 0.017 mg/L no.0050 0.010 no.0050 no.0520/16 13:15 rath-3-2 67-64-1 Benzene ND mg/L no.0050 no.0050 no.00520/16 13:15 rath-3-2 0.010 no.0050 no.0520/16 13:15 rath-3-2 74-3-2 Bromodichloromethane ND mg/L no.0050 no.0050 no.00520/16 13:15 rath-3-2 1 no.0520/16 13:15 rath-3-2 75-27-4 Bromodichloromethane ND mg/L no.0050 no.0050 no.00520/16 13:15 rath-3-3 75-27-4 75-27-4 Bromodichloromethane ND mg/L no.0050 no.0050 no.00520/16 13:15 rath-3-3 75-27-4 75-27-4 Bromodichloromethane ND mg/L no.0050 no.0050 no.00520/16 13:15 rath-3-3 75-15-15 no.00520/16 13:15 rath-3-3 75-15-15 no.00520/16 13:15 rath-3-3 Carbon disultide ND mg/L no.0050 no.0050 no.00520/16 13:15 rath-3-15 no.00520/	Thallium	ND	-						
Zinc ND mg/L 0.020 1 05/20/16 05:00 05/25/16 00:02 7440-66-6 8260 MSV Analytical Method: EPA 8260 Acetone 0.017 mg/L 0.010 1 05/20/16 13:15 67-64-1 Benzene ND mg/L 0.0050 1 05/20/16 13:15 71-43-2 Bromodichloromethane ND mg/L 0.0050 1 05/20/16 13:15 75-27-4 Bromoform ND mg/L 0.0050 1 05/20/16 13:15 75-27-4 Bromoform ND mg/L 0.0050 1 05/20/16 13:15 75-25-2 Bromoform ND mg/L 0.0050 1 05/20/16 13:15 78-93-3 Bromoform ND mg/L 0.0050 1 05/20/16 13:15 78-93-3 Carbon federachiorde ND mg/L 0.0050 1 05/20/16 13:15 78-93-3 Chlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 78-93-3 C	Vanadium	ND			1				
Acetone 0.017 mg/L 0.010 1 05/20/16 13:15 67-64-1 Benzene ND mg/L 0.0050 1 05/20/16 13:15 71-43-2 Bromodichloromethane ND mg/L 0.0050 1 05/20/16 13:15 75-27-4 Bromomethane ND mg/L 0.0050 1 05/20/16 13:15 75-25-2 Bromomethane ND mg/L 0.0050 1 05/20/16 13:15 75-25-2 Bromomethane ND mg/L 0.0050 1 05/20/16 13:15 76-83-9 2-Butanone (MEK) ND mg/L 0.0050 1 05/20/16 13:15 78-89-3 2-Butanone (MEK) ND mg/L 0.0050 1 05/20/16 13:15 78-93-3 2-Butanone (MEK) ND mg/L 0.0050 1 05/20/16 13:15 78-93-3 2-Butanone (MEK) ND mg/L 0.0050 1 05/20/16 13:15 76-93-3 Carbon tetrachloride ND mg/L 0.0050	Zinc								
Benzene	8260 MSV	Analytical Meth	nod: EPA 8260						
Bromodichloromethane	Acetone	0.017	mg/L	0.010	1		05/20/16 13:15	67-64-1	
Bromoform	Benzene	ND	mg/L	0.0050	1		05/20/16 13:15	71-43-2	
Bromomethane	Bromodichloromethane	ND	mg/L	0.0050	1		05/20/16 13:15	75-27-4	
2-Butanone (MEK) ND mg/L 0.010 1 05/20/16 13:15 78-93-3 Carbon disulfide ND mg/L 0.0050 1 05/20/16 13:15 75-15-0 Carbon tetrachloride ND mg/L 0.0050 1 05/20/16 13:15 75-15-0 Chloroberzene ND mg/L 0.0050 1 05/20/16 13:15 76-03-3 Chloroberzene ND mg/L 0.0050 1 05/20/16 13:15 76-00-3 Chloroform ND mg/L 0.0050 1 05/20/16 13:15 76-66-3 Chloromethane ND mg/L 0.0050 1 05/20/16 13:15 74-87-3 1,2-Dibromo-3-chloropropane ND mg/L 0.0050 1 05/20/16 13:15 74-87-3 1,2-Dibromo-schlane ND mg/L 0.0050 1 05/20/16 13:15 74-87-3 1,2-Dibromoethane (EDB) ND mg/L 0.0050 1 05/20/16 13:15 106-93-4 1,2-Dibromoethane (EDB) ND mg	Bromoform	ND	mg/L	0.0050	1		05/20/16 13:15	75-25-2	
2-Butanone (MEK) ND mg/L 0.010 1 05/20/16 13:15 78-93-3 Carbon disulfide ND mg/L 0.0050 1 05/20/16 13:15 75-15-0 Carbon tetrachloride ND mg/L 0.0050 1 05/20/16 13:15 56-23-5 Chloroberzene ND mg/L 0.0050 1 05/20/16 13:15 76-03-3 Chlorobertane ND mg/L 0.0050 1 05/20/16 13:15 75-00-3 Chlorobertane ND mg/L 0.0050 1 05/20/16 13:15 75-00-3 Chlorobertane ND mg/L 0.0050 1 05/20/16 13:15 76-68-3 Chlorobertane ND mg/L 0.0050 1 05/20/16 13:15 76-8-3 1/2-Dibromo-3-chloropropane ND mg/L 0.0050 1 05/20/16 13:15 76-12-8 Dibromochloromethane ND mg/L 0.0050 1 05/20/16 13:15 76-12-8 1/2-Dibromochloromethane ND mg/L	Bromomethane	ND	mg/L	0.0050	1		05/20/16 13:15	74-83-9	
Carbon tetrachloride ND mg/L 0.0050 1 05/20/16 13:15 56-23-5 Chlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 108-90-7 Chloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-00-3 Chloromethane ND mg/L 0.0050 1 05/20/16 13:15 67-66-3 Chloromethane ND mg/L 0.0050 1 05/20/16 13:15 74-87-3 1/2-Dibromo-3-chloropropane ND mg/L 0.0050 1 05/20/16 13:15 74-87-3 1/2-Dibromochloromethane ND mg/L 0.0050 1 05/20/16 13:15 76-28-8 Dibromochloromethane (EDB) ND mg/L 0.0050 1 05/20/16 13:15 106-48-1 1,2-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 56-50-1 1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 541-73-1 1,4-Dichlorobenzene ND <td>2-Butanone (MEK)</td> <td>ND</td> <td></td> <td>0.010</td> <td>1</td> <td></td> <td></td> <td></td> <td></td>	2-Butanone (MEK)	ND		0.010	1				
Carbon tetrachloride ND mg/L 0.0050 1 05/20/16 13:15 56-23-5 Chlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 108-90-7 Chloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-00-3 Chloromethane ND mg/L 0.0050 1 05/20/16 13:15 67-68-3 Chloromethane ND mg/L 0.0050 1 05/20/16 13:15 67-68-3 1,2-Dibromo-3-chloropropane ND mg/L 0.0050 1 05/20/16 13:15 96-12-8 Dibromochloromethane ND mg/L 0.0050 1 05/20/16 13:15 96-12-8 Dibromochloromethane (EDB) ND mg/L 0.0050 1 05/20/16 13:15 124-48-1 1,2-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 95-0-1 1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 541-73-1 1,4-Dichloroethane ND	Carbon disulfide	ND	mg/L	0.0050	1		05/20/16 13:15	75-15-0	
Chlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 108-90-7 Chloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-00-3 Chloroform ND mg/L 0.0050 1 05/20/16 13:15 76-66-3 Chloromethane ND mg/L 0.0050 1 05/20/16 13:15 74-87-3 1,2-Dibromo-3-chloropropane ND mg/L 0.0050 1 05/20/16 13:15 96-12-8 Dibromochloromethane ND mg/L 0.0050 1 05/20/16 13:15 96-12-8 Dibromochloromethane (EDB) ND mg/L 0.0050 1 05/20/16 13:15 106-93-4 1,2-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 95-50-1 1,3-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 95-50-1 1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 75-71-8 1,4-Dichlorobenzene ND	Carbon tetrachloride	ND		0.0050	1				
Chloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-00-3 Chloroform ND mg/L 0.0050 1 05/20/16 13:15 76-6-3 Chloromethane ND mg/L 0.0050 1 05/20/16 13:15 74-87-3 1/2-Dibromo-3-chloropropane ND mg/L 0.0050 1 05/20/16 13:15 76-12-8 Dibromochloromethane ND mg/L 0.0050 1 05/20/16 13:15 76-12-8 1,2-Dibromochloromethane (EDB) ND mg/L 0.0050 1 05/20/16 13:15 106-93-4 1,2-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 95-50-1 1,3-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 541-73-1 1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 75-71-8 1,1-Dichlorodifluoromethane ND mg/L 0.0050 1 05/20/16 13:15 75-34-3 1,2-Dichloropothane <th< td=""><td>Chlorobenzene</td><td>ND</td><td>mg/L</td><td>0.0050</td><td>1</td><td></td><td>05/20/16 13:15</td><td>108-90-7</td><td></td></th<>	Chlorobenzene	ND	mg/L	0.0050	1		05/20/16 13:15	108-90-7	
Chloroform ND mg/L 0.0050 1 05/20/16 13:15 67-66-3 Chloromethane ND mg/L 0.0050 1 05/20/16 13:15 74-87-3 1;2-Dibromo-3-chloropropane ND mg/L 0.0050 1 05/20/16 13:15 74-87-3 1;2-Dibromochloromethane ND mg/L 0.0050 1 05/20/16 13:15 124-48-1 1,2-Dibromoethane (EDB) ND mg/L 0.0050 1 05/20/16 13:15 106-93-4 1,2-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 76-71-8 1,3-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 541-73-1 1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 75-71-8 1,4-Dichlorodfluoromethane ND mg/L 0.0050 1 05/20/16 13:15 75-71-8 1,2-Dichlorodfluoromethane ND mg/L 0.0050 1 05/20/16 13:15 75-34-3 1,2-Dichlorodfluorometha	Chloroethane	ND	mg/L	0.0050	1				
1;2-Dibromo-3-chloropropane ND mg/L 0.0050 1 05/20/16 13:15 96-12-8 Dibromochloromethane ND mg/L 0.0050 1 05/20/16 13:15 124-48-1 1,2-Dibromoethane (EDB) ND mg/L 0.0050 1 05/20/16 13:15 106-93-4 1,2-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 541-73-1 1,3-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 541-73-1 1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 541-73-1 1,4-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-71-8 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-34-3 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-35-4 cis-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 75-35-4 cis-1,2-Dichloroethene <td>Chloroform</td> <td>ND</td> <td>mg/L</td> <td>0.0050</td> <td>1</td> <td></td> <td></td> <td></td> <td></td>	Chloroform	ND	mg/L	0.0050	1				
Dibromochloromethane ND mg/L 0.0050 1 0.0050 1 1.24-48-1 1,2-Dibromoethane (EDB) ND mg/L 0.0050 1 0.0050 1 0.0050 1 1,2-Dichlorobenzene ND mg/L 0.0050 1 0.0050 1 0.0050 1 1,3-Dichlorobenzene ND mg/L 0.0050 1 0.0050 1 0.0050 1 1,4-Dichlorobenzene ND mg/L 0.0050 1 0.0050 1 0.0050 1 1,4-Dichlorodenzene ND mg/L 0.0050 1 0.0050 1 0.0050 1 1,4-Dichlorodenzene ND mg/L 0.0050 1 0.0050 1 0.0050 1 1,1-Dichlorodethane ND mg/L 0.0050 1 0.0050 1 0.0050 1 1,1-Dichlorodethane ND mg/L 0.0050 1 0.0050 1 0.0050 1 1,1-Dichlorodethane ND mg/L 0.0050 1 0.0050 1 0.0050 1 1,1-Dichlorodethene ND mg/L 0.0050 1 0.0050 1 0.0050 1 1,1-Dichlorodethene ND mg/L 0.0050 1 0.0050 1 0.0050 1 1,1-Dichlorodethene ND mg/L 0.0050 1 0.0050 1 0.0050 1 1,2-Dichlorodethene ND mg/L 0.0050 1 0.0050 1 0.0050 1 1,2-Dichlorodethene ND mg/L 0.0050 1 0.0050 1 0.0050 1 1,2-Dichlorodethene ND mg/L 0.0050 1 0.0050 1 0.0050 1 1,2-Dichlorodethene ND mg/L 0.0050 1 0.0050 1 0.0050 1 1,3-Dichlorodethene ND mg/L 0.0050 1 0.0050 1 0.0050 1 1,3-Dichlorodethene ND mg/L 0.0050 1 0.0050 1 0.0060 1 1,4-Dichlorodethene ND mg/L 0.0050 1 0.0050 1 0.0060 1 1,4-Dichlorodethene ND mg/L 0.0050 1 0.0060 1 0.0060 1 1,4-Dichlorodethene ND mg/L 0.0050 1 0.0060 1 0.0060 1 1,4-Dichlorodethene ND mg/L 0.0050 1 0.0060 1 0.0060 1 1,5-Bichlorodethene ND mg/L 0.0050 1 0.0060 1 0.0060 1 1,5-Bichlorodethene ND 0.0060	Chloromethane	ND	mg/L	0.0050	1		05/20/16 13:15	74-87-3	
Dibromochloromethane ND mg/L 0.0050 1 05/20/16 13:15 124-48-1 1,2-Dibromoethane (EDB) ND mg/L 0.0050 1 05/20/16 13:15 106-93-4 1,2-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 95-50-1 1,3-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 541-73-1 1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 541-73-1 1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 106-46-7 Dichlorodifluoromethane ND mg/L 0.0050 1 05/20/16 13:15 75-71-8 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-34-3 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-35-4 1,1-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 75-35-4 cis-1,2-Dichloroethene	1;2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		05/20/16 13:15	96-12-8	
1,2-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 95-50-1 1,3-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 541-73-1 1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 76-71-8 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-71-8 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-34-3 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 107-06-2 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-35-4 cis-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 75-35-4 cis-1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 13:15 156-60-5 1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 13:15 78-87-5 cis-1,3-Dichloropropene	Dibromochloromethane	ND	mg/L	0.0050	1		05/20/16 13:15	124-48-1	
1,2-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 95-50-1 1,3-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 541-73-1 1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 106-46-7 Dichlorodifluoromethane ND mg/L 0.0050 1 05/20/16 13:15 75-71-8 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-34-3 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 107-06-2 1,1-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 75-35-4 cis-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 156-59-2 trans-1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 13:15 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-	1,2-Dibromoethane (EDB)	ND	mg/L	0.0050	1				
1,3-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 541-73-1 1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 106-46-7 Dichlorodifluoromethane ND mg/L 0.0050 1 05/20/16 13:15 75-71-8 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-34-3 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-35-4 1,1-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 75-35-4 cis-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 156-59-2 trans-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 156-60-5 1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 13:15 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-0	1,2-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 13:15	95-50-1	
1,4-Dichlorobenzene ND mg/L 0.0050 1 05/20/16 13:15 106-46-7 Dichlorodifluoromethane ND mg/L 0.0050 1 05/20/16 13:15 75-71-8 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-34-3 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 107-06-2 1,1-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 75-35-4 cis-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 156-59-2 trans-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 156-60-5 1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 13:15 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-02-6 Ethylbenzene </td <td>1,3-Dichlorobenzene</td> <td>ND</td> <td></td> <td>0.0050</td> <td>1</td> <td></td> <td></td> <td></td> <td></td>	1,3-Dichlorobenzene	ND		0.0050	1				
Dichlorodifluoromethane ND mg/L 0.0050 1 05/20/16 13:15 75-71-8 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-34-3 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 107-06-2 1,1-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 75-35-4 cis-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 156-59-2 trans-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 156-60-5 1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 13:15 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 13:15 591-78-6	1,4-Dichlorobenzene	ND	mg/L	0.0050	1				
1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-34-3 1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 107-06-2 1,1-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 75-35-4 cis-1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 156-59-2 trans-1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 156-60-5 1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 13:15 78-87-5 cis-1,3-Dichloropropane ND mg/L 0.0050 1 05/20/16 13:15 10061-01-5 trans-1,3-Dichloropropane ND mg/L 0.0050 1 05/20/16 13:15 10061-01-5 trans-1,3-Dichloropropane ND mg/L 0.0050 1 05/20/16 13:15 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 13:15 591-78-6 2-Hexanone ND mg/L 0.010 1 05/20/16 13:15 591-78-6	Dichlorodifluoromethane	ND	mg/L	0.0050	1				
1,2-Dichloroethane ND mg/L 0.0050 1 05/20/16 13:15 107-06-2 1,1-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 75-35-4 cis-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 156-59-2 trans-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 156-60-5 1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 13:15 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 13:15 100-41-4 2-Hexanone ND mg/L 0.010 1 05/20/16 13:15 591-78-6	1,1-Dichloroethane	ND	mg/L	0.0050	1		05/20/16 13:15	75-34-3	
1,1-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 75-35-4 cis-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 156-59-2 trans-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 156-60-5 1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 13:15 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 13:15 100-41-4 2-Hexanone ND mg/L 0.010 1 05/20/16 13:15 591-78-6	1,2-Dichloroethane	ND	mg/L	0.0050	1				
cis-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 156-59-2 trans-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 156-60-5 1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 13:15 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 13:15 100-41-4 2-Hexanone ND mg/L 0.010 1 05/20/16 13:15 591-78-6	1,1-Dichloroethene	ND		0.0050	1				
trans-1,2-Dichloroethene ND mg/L 0.0050 1 05/20/16 13:15 156-60-5 1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 13:15 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 13:15 100-41-4 2-Hexanone ND mg/L 0.010 1 05/20/16 13:15 591-78-6	cis-1,2-Dichloroethene	ND	mg/L	0.0050					
1,2-Dichloropropane ND mg/L 0.0050 1 05/20/16 13:15 78-87-5 cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 13:15 100-41-4 2-Hexanone ND mg/L 0.010 1 05/20/16 13:15 591-78-6	trans-1,2-Dichloroethene	ND	_						
cis-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-01-5 trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 13:15 100-41-4 2-Hexanone ND mg/L 0.010 1 05/20/16 13:15 591-78-6	1,2-Dichloropropane	ND	-						
trans-1,3-Dichloropropene ND mg/L 0.0050 1 05/20/16 13:15 10061-02-6 Ethylbenzene ND mg/L 0.0050 1 05/20/16 13:15 100-41-4 2-Hexanone ND mg/L 0.010 1 05/20/16 13:15 591-78-6	cis-1,3-Dichloropropene	ND							
Ethylbenzene ND mg/L 0.0050 1 05/20/16 13:15 100-41-4 2-Hexanone ND mg/L 0.010 1 05/20/16 13:15 591-78-6	trans-1,3-Dichloropropene	ND		0.0050					
2-Hexanone ND mg/L 0.010 1 05/20/16 13:15 591-78-6	Ethylbenzene								
Expression to the second of th	2-Hexanone	ND							
	Isopropylbenzene (Cumene)	ND							

St. Rose, LA 70087 (504)469-0333



ANALYTICAL RESULTS

Project:

SRS ARECIBO

Pace Project No.:

2036880

Sample:	MW-2-2

Date: 05/26/2016 12:45 PM

Lab ID: 2036880007

Collected: 05/18/16 10:11 Received:

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Met	nod: EPA 8260)					
Methyl acetate	ND	mg/L	0.010	1		05/20/16 13:15	79-20-9	
Methylene Chloride	ND	mg/L	0.0050	1		05/20/16 13:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.010	1		05/20/16 13:15	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0050	1		05/20/16 13:15	1634-04-4	
Styrene	ND	mg/L	0.0050	1		05/20/16 13:15	100-42-5	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1		05/20/16 13:15	79-34-5	
Tetrachloroethene	ND	mg/L	0.0050	1		05/20/16 13:15	127-18-4	
Toluene	ND	mg/L	0.0050	1		05/20/16 13:15	108-88-3	
1,1,1-Trichloroethane	ND	mg/L	0.0050	1		05/20/16 13:15	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0050	1		05/20/16 13:15	79-00-5	
Trichloroethene	ND	mg/L	0.0050	1		05/20/16 13:15	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0050	1		05/20/16 13:15	75-69-4	
Vinyl chloride	ND	mg/L	0.0020	1		05/20/16 13:15	75-01-4	
m&p-Xylene	ND	mg/L	0.010	1		05/20/16 13:15	179601-23-1	
o-Xylene	ND	mg/L	0.0050	1		05/20/16 13:15	95-47-6	
Surrogates								
Toluene-d8 (S)	99	%.	70-123	1		05/20/16 13:15	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	62-134	1		05/20/16 13:15	460-00-4	
Dibromofluoromethane (S)	104	%.	64-130	1		05/20/16 13:15	1868-53-7	

Sample: MW-1-1	Lab ID: 2036	880008	Collected: 05/18/1	6 10:5	7 Received: 05	5/18/16 15:07 N	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Meth	od: EPA 60	10 Preparation Meth	nod: EF	PA 3010			
Antimony	ND	mg/L	0.060	1	05/20/16 05:00	05/25/16 00:26	7440-36-0	
Arsenic	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:26	7440-38-2	
Barium	ND	mg/L	0.20	1	05/20/16 05:00	05/25/16 00:26	7440-39-3	
Beryllium	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:26	7440-41-7	
Cadmium	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:26	7440-43-9	
Chromium	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:26	7440-47-3	
Cobalt	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:26	7440-48-4	
Copper	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:26	7440-50-8	
Lead	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:26	7439-92-1	
Nickel	ND	mg/L	0.040	1	05/20/16 05:00	05/25/16 00:26	7440-02-0	
Selenium	ND	mg/L	0.020	1	05/20/16 05:00	05/25/16 00:26	7782-49-2	
Silver	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:26	7440-22-4	
Thallium	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:26	7440-28-0	
Vanadium	ND	mg/L	0.050	1	05/20/16 05:00	05/25/16 00:26	7440-62-2	
Zinc	ND	mg/L	0.020	1	05/20/16 05:00	05/25/16 00:26	7440-66-6	
8260 MSV	Analytical Meth	od: EPA 82	60					
Acetone	0.017	mg/L	0.010	1		05/20/16 13:33	67-64-1	
Benzene	ND	mg/L	0.0050	1		05/20/16 13:33	71-43-2	
Bromodichloromethane	ND	mg/L	0.0050	1		05/20/16 13:33	75-27-4	

1000 Riverbend Blvd - Suite F St. Rose, LA 70087

(504)469-0333



ANALYTICAL RESULTS

Project:

SRS ARECIBO

Pace Project No.:

2036880

Sample: MW-1-1

Lab ID: 2036880008

Collected: 05/18/16 10:57

Received

						Second Flore	The state of the s	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Meth	nod: EPA 8260)					
Bromoform	ND	mg/L	0.0050	1		05/20/16 13:33	75-25-2	
Bromomethane	ND	mg/L	0.0050	1		05/20/16 13:33	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.010	1		05/20/16 13:33	78-93-3	
Carbon disulfide	ND	mg/L	0.0050	1		05/20/16 13:33	75-15-0	
Carbon tetrachloride	ND	mg/L	0.0050	1		05/20/16 13:33	56-23-5	
Chlorobenzene	ND	mg/L	0.0050	1		05/20/16 13:33	108-90-7	
Chloroethane	ND	mg/L	0.0050	1		05/20/16 13:33		
Chloroform	ND	mg/L	0.0050	1		05/20/16 13:33	67-66-3	
Chloromethane	ND	mg/L	0.0050	1		05/20/16 13:33	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		05/20/16 13:33	96-12-8	
Dibromochloromethane	ND	mg/L	0.0050	1		05/20/16 13:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0050	1		05/20/16 13:33		
1,2-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 13:33		
1,3-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 13:33		
1,4-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 13:33		
Dichlorodifluoromethane	ND	mg/L	0.0050	1		05/20/16 13:33		
1,1-Dichloroethane	ND	mg/L	0.0050	1		05/20/16 13:33		
1,2-Dichloroethane	ND	mg/L	0.0050	1		05/20/16 13:33		
1.1-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 13:33		
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 13:33		
trans-1,2-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 13:33	marries along the read	
1,2-Dichloropropane	ND	mg/L	0.0050	1		05/20/16 13:33		
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1		05/20/16 13:33		
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1		05/20/16 13:33		
Ethylbenzene	ND	mg/L	0.0050	1		05/20/16 13:33		
2-Hexanone	ND	mg/L	0.010	1		05/20/16 13:33		
Isopropylbenzene (Cumene)	ND	mg/L	0.0050	1		05/20/16 13:33		
Methyl acetate	ND	mg/L	0.010	1		05/20/16 13:33		
Methylene Chloride	ND	mg/L	0.0050	1		05/20/16 13:33		
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.010	1		05/20/16 13:33		
Methyl-tert-butyl ether	ND	mg/L	0.0050	1		05/20/16 13:33		
Styrene	ND	mg/L	0.0050	1		05/20/16 13:33		
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1		05/20/16 13:33		
Tetrachloroethene	ND	mg/L	0.0050	1		05/20/16 13:33		
Toluene	ND	mg/L	0.0050	1		05/20/16 13:33		
1,1,1-Trichloroethane	ND	mg/L	0.0050	1		05/20/16 13:33		
1,1,2-Trichloroethane	ND	mg/L	0.0050	1		05/20/16 13:33		
Trichloroethene	ND	mg/L	0.0050	1		05/20/16 13:33		
Trichlorofluoromethane	ND	mg/L	0.0050	1		05/20/16 13:33		
Vinyl chloride	ND	mg/L	0.0020	1		05/20/16 13:33		
m&p-Xylene	ND	mg/L	0.010	1		05/20/16 13:33		
o-Xylene	ND	mg/L	0.0050	1		05/20/16 13:33		
Surrogates	ND	Trig/L	0.0030	- 18		03/20/10 13.33	33-47-0	
Toluene-d8 (S)	101	%.	70-123	1		05/20/16 13:33	2037-26-5	
4-Bromofluorobenzene (S)								
4-Diditionaliantobelizerie (3)	99	%.	62-134	1		05/20/16 13:33	460-00-4	

St. Rose, LA 70087 (504)469-0333

Pace Analytical www.pacelabs.com

ANALYTICAL RESULTS

Project:

SRS ARECIBO

Pace Project No.: 2036880

Sample: MW-1-2 Lab ID: 2036880009

Collected: 05/18/16 10:59

Received: 05/

William .

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Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Meth	nod: EPA 6010	Preparation Meth	nod: EF	PA 3010			
Antimony	ND	mg/L	0.060	1	05/20/16 05:00	05/25/16 00:30	7440-36-0	
Arsenic	ND	mg/L	0.010	1		05/25/16 00:30		
Barium	ND	mg/L	0.20	1		05/25/16 00:30		
Beryllium	ND	mg/L	0.0050	1		05/25/16 00:30		
Cadmium	ND	mg/L	0.0050	1		05/25/16 00:30		
Chromium	0.014	mg/L	0.010	1		05/25/16 00:30		
Cobalt	ND	mg/L	0.010	1	05/20/16 05:00			
Copper	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:30		
Lead	ND	mg/L	0.0050	1		05/25/16 00:30		
Nickel	ND	mg/L	0.040	1		05/25/16 00:30		
Selenium	ND	mg/L	0.020	1		05/25/16 00:30		
Silver	ND	mg/L	0.010	1		05/25/16 00:30		
Thallium	ND	110.00						
Vanadium	ND ND	mg/L	0.010	1		05/25/16 00:30		
Zinc		mg/L	0.050	1		05/25/16 00:30		
	0.025	mg/L	0.020	1	05/20/16 05:00	05/25/16 00:30	7440-66-6	
8260 MSV	Analytical Meth	nod: EPA 8260						
Acetone	0.018	mg/L	0.010	1		05/20/16 13:51	67-64-1	
Benzene	ND	mg/L	0.0050	1		05/20/16 13:51	71-43-2	
Bromodichloromethane	ND	mg/L	0.0050	1		05/20/16 13:51	75-27-4	
Bromoform	ND	mg/L	0.0050	1		05/20/16 13:51	75-25-2	
Bromomethane	ND	mg/L	0.0050	1		05/20/16 13:51		
2-Butanone (MEK)	ND	mg/L	0.010	1		05/20/16 13:51		
Carbon disulfide	ND	mg/L	0.0050	1		05/20/16 13:51		
Carbon tetrachloride	ND	mg/L	0.0050	1		05/20/16 13:51		
Chlorobenzene	ND	mg/L	0.0050	1		05/20/16 13:51		
Chloroethane	ND	mg/L	0.0050	1		05/20/16 13:51		
Chloroform	ND	mg/L	0.0050	1		05/20/16 13:51		
Chloromethane	ND	mg/L	0.0050	1		05/20/16 13:51		
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		05/20/16 13:51		
Dibromochloromethane	ND	mg/L	0.0050	1		05/20/16 13:51		
1,2-Dibromoethane (EDB)	ND	mg/L	0.0050	1		05/20/16 13:51		
1,2-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 13:51		
1.3-Dichlorobenzene	ND			1				
1,4-Dichlorobenzene		mg/L	0.0050			05/20/16 13:51		
Dichlorodifluoromethane	ND	mg/L	0.0050	1		05/20/16 13:51		
1.1-Dichloroethane	ND	mg/L	0.0050	1		05/20/16 13:51		
	ND	mg/L	0.0050	1		05/20/16 13:51		
1,2-Dichloroethane	ND	mg/L	0.0050	1		05/20/16 13:51		
1,1-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 13:51		
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 13:51		
rans-1,2-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 13:51		
1,2-Dichloropropane	ND	mg/L	0.0050	1		05/20/16 13:51		
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1		05/20/16 13:51	10061-01-5	
rans-1,3-Dichloropropene	ND	mg/L	0.0050	1		05/20/16 13:51	10061-02-6	
Ethylbenzene	ND	mg/L	0.0050	1		05/20/16 13:51	100-41-4	
2-Hexanone	ND	mg/L	0.010	1		05/20/16 13:51	591-78-6	
sopropylbenzene (Cumene)	ND	mg/L	0.0050	1		05/20/16 13:51	98-82-8	

St. Rose, LA 70087

504)469-0333



ANALYTICAL RESULTS

Project:

SRS ARECIBO

Pace Project No.:

2036880

Sample:	MW-1-2
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Lab ID: 2036880009

Collected: 05/18/16 10:59

Received: 05/18

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Met	hpd: EPA 826	0					
Methyl acetate	ND	mg/L	0.010	1		05/20/16 13:51	79-20-9	
Methylene Chloride	ND	mg/L	0.0050	1		05/20/16 13:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.010	1		05/20/16 13:51	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0050	1		05/20/16 13:51	1634-04-4	
Styrene	ND	mg/L	0.0050	1		05/20/16 13:51	100-42-5	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1		05/20/16 13:51	79-34-5	
Tetrachloroethene	ND	mg/L	0.0050	1		05/20/16 13:51	127-18-4	
Toluene	ND	mg/L	0.0050	1		05/20/16 13:51	108-88-3	
1,1,1-Trichloroethane	ND	mg/L	0.0050	1		05/20/16 13:51	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0050	1		05/20/16 13:51	79-00-5	
Trichloroethene	ND	mg/L	0.0050	1		05/20/16 13:51	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0050	1		05/20/16 13:51	75-69-4	
Vinyl chloride	ND	mg/L	0.0020	1		05/20/16 13:51	75-01-4	
m&p-Xylene	ND	mg/L	0.010	1		05/20/16 13:51	179601-23-1	
o-Xylene	ND	mg/L	0.0050	1		05/20/16 13:51	95-47-6	
Surrogates								
Toluene-d8 (S)	100	%.	70-123	1		05/20/16 13:51	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	62-134	1		05/20/16 13:51	460-00-4	
Dibromofluoromethane (S)	107	%.	64-130	1		05/20/16 13:51	1868-53-7	

Sample: MW-5-1	Lab ID: 203	6880010	Collected: 05/18/1	16 11:50	Received: 05	5/18/16 15:07 N	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Meth	nod: EPA 60	010 Preparation Meth	nod: EPA	A 3010			
Antimony	ND	mg/L	0.060	1	05/20/16 05:00	05/25/16 00:34	7440-36-0	
Arsenic	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:34	7440-38-2	
Barium	ND	mg/L	0.20	1	05/20/16 05:00	05/25/16 00:34	7440-39-3	
Beryllium	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:34	7440-41-7	
Cadmium	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:34	7440-43-9	
Chromium	0.031	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:34	7440-47-3	
Cobalt	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:34	7440-48-4	
Copper	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:34	7440-50-8	
Lead	ND	mg/L	0.0050	1	05/20/16 05:00	05/25/16 00:34	7439-92-1	
Nickel	ND	mg/L	0.040	1	05/20/16 05:00	05/25/16 00:34	7440-02-0	
Selenium	ND	mg/L	0.020	1	05/20/16 05:00	05/25/16 00:34	7782-49-2	
Silver	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:34	7440-22-4	
Thallium	ND	mg/L	0.010	1	05/20/16 05:00	05/25/16 00:34	7440-28-0	
Vanadium	ND	mg/L	0.050	1	05/20/16 05:00	05/25/16 00:34	7440-62-2	
Zinc	ND	mg/L	0.020	1	05/20/16 05:00	05/25/16 00:34	7440-66-6	
8260 MSV	Analytical Meth	od: EPA 82	60					
Acetone	0.012	mg/L	0.010	1		05/20/16 14:08	67-64-1	
Benzene	ND	mg/L	0.0050	1		05/20/16 14:08	71-43-2	
Bromodichloromethane	ND	mg/L	0.0050	1		05/20/16 14:08	75-27-4	

St. Rose, LA 70087 (504)469-0333



ANALYTICAL RESULTS

Project:

SRS ARECIBO

Pace Project No.:

2036880

Sample: MW-5-1

Lab ID: 2036880010

Collected: 05/18/16 11:50

Received: 05/18

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Meth	nod: EPA 8260)			307		
Bromoform	ND	mg/L	0.0050	1		05/20/16 14:08 7	5-25-2	
Bromomethane	ND	mg/L	0.0050	1		05/20/16 14:08 7		
2-Butanone (MEK)	ND	mg/L	0.010	1		05/20/16 14:08 7		
Carbon disulfide	ND	mg/L	0.0050	1		05/20/16 14:08 7		
Carbon tetrachloride	ND	mg/L	0.0050	1		05/20/16 14:08 5		
Chlorobenzene	ND	mg/L	0.0050	1		05/20/16 14:08 1		
Chloroethane	ND	mg/L	0.0050	1		05/20/16 14:08 7:		
Chloroform	ND	mg/L	0.0050	1		05/20/16 14:08 6		
Chloromethane	ND	mg/L	0.0050	1		05/20/16 14:08 74		
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		05/20/16 14:08 96		
Dibromochloromethane	ND	mg/L	0.0050	1		05/20/16 14:08 12		
1,2-Dibromoethane (EDB)	ND	mg/L	0.0050	1		05/20/16 14:08 10		
1,2-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 14:08 9		
1,3-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 14:08 54		
1,4-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 14:08 10		
Dichlorodifluoromethane	ND	mg/L	0.0050	1		05/20/16 14:08 75		
1.1-Dichloroethane	ND	mg/L	0.0050	1		05/20/16 14:08 75		
1,2-Dichloroethane	ND	mg/L	0.0050	1		05/20/16 14:08 10		
1,1-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 14:08 75		
cis-1.2-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 14:08 15		
trans-1.2-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 14:08 15		
1,2-Dichloropropane	ND	mg/L	0.0050	1		05/20/16 14:08 78		
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1				
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1		05/20/16 14:08 10		
Ethylbenzene	ND	mg/L	0.0050	1		05/20/16 14:08 10		
2-Hexanone	ND	mg/L	0.010	1		05/20/16 14:08 10		
Isopropylbenzene (Cumene)	ND	mg/L	0.0050	1		05/20/16 14:08 59		
Methyl acetate	ND	mg/L	0.010	1		05/20/16 14:08 98		
Methylene Chloride	ND	0.00	0.0050			05/20/16 14:08 79		
4-Methyl-2-pentanone (MIBK)	ND	mg/L		1		05/20/16 14:08 75		
Methyl-tert-butyl ether		mg/L	0.010	1		05/20/16 14:08 10		
Styrene	ND ND	mg/L	0.0050	1		05/20/16 14:08 16		
1,1,2,2-Tetrachloroethane		mg/L	0.0050	1		05/20/16 14:08 10		
Tetrachloroethene	ND	mg/L	0.0050	1		05/20/16 14:08 79		
	ND	mg/L	0.0050	1		05/20/16 14:08 12		
Toluene	ND	mg/L	0.0050	1		05/20/16 14:08 10		
1,1,1-Trichloroethane	ND	mg/L	0.0050	1		05/20/16 14:08 71		
1,1,2-Trichloroethane	ND	mg/L	0.0050	1		05/20/16 14:08 79		
Trichloroethene	ND	mg/L	0.0050	1		05/20/16 14:08 79		
Trichlorofluoromethane	ND	mg/L	0.0050	1		05/20/16 14:08 75		
Vinyl chloride	ND	mg/L	0.0020	1		05/20/16 14:08 75		
m&p-Xylene	ND	mg/L	0.010	1		05/20/16 14:08 17		
o-Xylene	ND	mg/L	0.0050	1		05/20/16 14:08 95	5-47-6	
Surrogates	404	0/	70 105			0.510.011.0		
Toluene-d8 (S)	101	%.	70-123	1		05/20/16 14:08 20		
4-Bromofluorobenzene (S)	100	%.	62-134	1		05/20/16 14:08 46		
Dibromofluoromethane (S)	104	%.	64-130	1		05/20/16 14:08 18	68-53-7	

St. Rose, LA 70087 (504)469-0333



ANALYTICAL RESULTS

Project:

SRS ARECIBO

Pace Project No.:

2036880

Sample: MW-5-2

Lab ID: 2036880011

Collected: 05/18/16 11:52

Received: 05

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Parameters	Results	Units	Report Limit	DF	Prepared	Analyzea	FERIOR	Qua
6010 Metals, Total	Analytical Meth	nod: EPA 601	0 Preparation Meth	nod: EF	PA 3010	2	E. Constant of the Constant of	
Antimony	ND	mg/L	0.060	1	05/20/16 05:00	05/25/16 00:38	7440-36-0	
Arsenic	ND	mg/L	0.010	1		05/25/16 00:38		
Barium	ND	mg/L	0.20	1		05/25/16 00:38		
Beryllium	ND	mg/L	0.0050	1		05/25/16 00:38		
Cadmium	ND	mg/L	0.0050	1		05/25/16 00:38		
Chromium	0.025	mg/L	0.010	1		05/25/16 00:38		
Cobalt	ND	mg/L	0.010	1		05/25/16 00:38		
Copper	0.011	mg/L	0.010	1		05/25/16 00:38		
Lead	ND	mg/L	0.0050	1		05/25/16 00:38		
Nickel	ND	mg/L	0.040	1		05/25/16 00:38		
Selenium	ND	mg/L	0.020	1		05/25/16 00:38		
Silver	ND	mg/L	0.010	1		05/25/16 00:38		
Thallium	ND	mg/L	0.010	1		05/25/16 00:38		
Vanadium	ND	mg/L	0.050	1		05/25/16 00:38		
Zinc	ND	mg/L	0.020	1		05/25/16 00:38		
8260 MSV		=		i	03/20/10 03:00	03/23/10 00.36	7440-00-0	
	Analytical Meth							
Acetone	0.012	mg/L	0.010	1		05/20/16 14:26		
Benzene	ND	mg/L	0.0050	1		05/20/16 14:26		
Bromodichloromethane	ND	mg/L	0.0050	1		05/20/16 14:26		
Bromoform	ND	mg/L	0.0050	1		05/20/16 14:26		
Bromomethane	ND	mg/L	0.0050	1		05/20/16 14:26		
2-Butanone (MEK)	ND	mg/L	0.010	1		05/20/16 14:26	78-93-3	
Carbon disulfide	ND	mg/L	0.0050	1		05/20/16 14:26	75-15-0	
Carbon tetrachloride	ND	mg/L	0.0050	1		05/20/16 14:26	56-23-5	
Chlorobenzene	ND	mg/L	0.0050	1		05/20/16 14:26	108-90-7	
Chloroethane	ND	mg/L	0.0050	1		05/20/16 14:26	75-00-3	
Chloroform	ND	mg/L	0.0050	1		05/20/16 14:26	67-66-3	
Chloromethane	ND	mg/L	0.0050	1		05/20/16 14:26	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		05/20/16 14:26	96-12-8	
Dibromochloromethane	ND	mg/L	0.0050	1		05/20/16 14:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0050	1		05/20/16 14:26	106-93-4	
1,2-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 14:26	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 14:26	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 14:26	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0050	1		05/20/16 14:26	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0050	1		05/20/16 14:26	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0050	1		05/20/16 14:26	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 14:26	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 14:26	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 14:26	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0050	1		05/20/16 14:26		
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1		05/20/16 14:26		
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1		05/20/16 14:26		
Ethylbenzene	ND	mg/L	0.0050	1		05/20/16 14:26		
2-Hexanone	ND	mg/L	0.010	1		05/20/16 14:26		
Isopropylbenzene (Cumene)	ND	mg/L	0.0050	1		05/20/16 14:26		

1000 Riverbend Blvd - Suite F St. Rose, LA 70087

(504)469-0333



ANALYTICAL RESULTS

Project:

SRS ARECIBO

Pace Project No.: Sample: MW-5-2

Date: 05/26/2016 12:45 PM

2036880

Lab ID: 2036880011

Collected: 05/18/16 11:52

Received:

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Meth	nod: EPA 8260	O					
Methyl acetate	ND	mg/L	0.010	1		05/20/16 14:26	79-20-9	
Methylene Chloride	ND	mg/L	0.0050	1		05/20/16 14:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.010	1		05/20/16 14:26	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0050	1		05/20/16 14:26	1634-04-4	
Styrene	ND	mg/L	0.0050	1		05/20/16 14:26	100-42-5	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1		05/20/16 14:26	79-34-5	
Tetrachloroethene	ND	mg/L	0.0050	1		05/20/16 14:26	127-18-4	
Toluene	ND	mg/L	0.0050	1		05/20/16 14:26	108-88-3	
1,1,1-Trichloroethane	ND	mg/L	0.0050	1		05/20/16 14:26	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0050	1		05/20/16 14:26	79-00-5	
Trichloroethene	ND	mg/L	0.0050	1		05/20/16 14:26	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0050	1		05/20/16 14:26	75-69-4	
Vinyl chloride	ND	mg/L	0.0020	1		05/20/16 14:26	75-01-4	
m&p-Xylene	ND	mg/L	0.010	1		05/20/16 14:26	179601-23-1	
o-Xylene	ND	mg/L	0.0050	1		05/20/16 14:26	95-47-6	
Surrogates								
Toluene-d8 (S)	100	%.	70-123	1		05/20/16 14:26	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	62-134	1		05/20/16 14:26	460-00-4	
Dibromofluoromethane (S)	103	%.	64-130	1		05/20/16 14:26	1868-53-7	

Sample: FB-051816	Lab ID: 203	6880012	Collected: 05/18/1	6 12:05	Received: 0	5/18/16 15:07 N	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Meth	nod: EPA 82	60					
Acetone	0.035	mg/L	0.010	1		05/20/16 14:43	67-64-1	
Benzene	ND	mg/L	0.0050	1		05/20/16 14:43	71-43-2	
Bromodichloromethane	ND	mg/L	0.0050	1		05/20/16 14:43	75-27-4	
Bromoform	ND	mg/L	0.0050	1		05/20/16 14:43	75-25-2	
Bromomethane	ND	mg/L	0.0050	1		05/20/16 14:43	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.010	1		05/20/16 14:43	78-93-3	
Carbon disulfide	ND	mg/L	0.0050	1		05/20/16 14:43	75-15-0	
Carbon tetrachloride	ND	mg/L	0.0050	1		05/20/16 14:43	56-23-5	
Chlorobenzene	ND	mg/L	0.0050	1		05/20/16 14:43	108-90-7	
Chloroethane	ND	mg/L	0.0050	1		05/20/16 14:43	75-00-3	
Chloroform	ND	mg/L	0.0050	1		05/20/16 14:43	67-66-3	
Chloromethane	ND	mg/L	0.0050	1		05/20/16 14:43	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		05/20/16 14:43	96-12-8	
Dibromochloromethane	ND	mg/L	0.0050	1		05/20/16 14:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0050	1		05/20/16 14:43	106-93-4	
1,2-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 14:43	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 14:43	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0050	1		05/20/16 14:43	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0050	1		05/20/16 14:43	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0050	1		05/20/16 14:43	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0050	1		05/20/16 14:43	107-06-2	



ANALYTICAL RESULTS

Project:

SRS ARECIBO

Pace Project No.: 2036880

Sample: FB-051816	Lab ID: 203	6880012	Collected: 05/18/	16 12:05	Received: 0	5/18/16 15:07	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Met	hod: EPA 82	260			3		
1,1-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 14:4	3 75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 14:4	3 156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0050	1		05/20/16 14:4	3 156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0050	1		05/20/16 14:4	3 78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1		05/20/16 14:4	3 10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1		05/20/16 14:4	3 10061-02-6	
Ethylbenzene	ND	mg/L	0.0050	1		05/20/16 14:4	3 100-41-4	
2-Hexanone	ND	mg/L	0.010	1		05/20/16 14:4	3 591-78-6	
Isopropylbenzene (Cumene)	ND	mg/L	0.0050	1		05/20/16 14:4	3 98-82-8	
Methyl acetate	ND	mg/L	0.010	1		05/20/16 14:4		
Methylene Chloride	ND	mg/L	0.0050	1		05/20/16 14:4	3 75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.010	1		05/20/16 14:4		
Methyl-tert-butyl ether	ND	mg/L	0.0050	1		05/20/16 14:4	3 1634-04-4	
Styrene	ND	mg/L	0.0050	1		05/20/16 14:4		
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1		05/20/16 14:4		
Tetrachloroethene	ND	mg/L	0.0050	1		05/20/16 14:4		
Toluene	ND	mg/L	0.0050	1		05/20/16 14:4:	E.O. (1985-1911) 1.707-1911 19	
1,1,1-Trichloroethane	ND	mg/L	0.0050	1		05/20/16 14:4:		
1,1,2-Trichloroethane	ND	mg/L	0.0050	1		05/20/16 14:4:	United the Control of Control of Control	
Trichloroethene	ND	mg/L	0.0050	1		05/20/16 14:4:	NEW TOTAL CONTROL CONTROL	
Trichlorofluoromethane	ND	mg/L	0.0050	1		05/20/16 14:4:	2017 - C. C. C. (2004) (17) (17) (17) (17)	
Vinyl chloride	ND	mg/L	0.0020	1		05/20/16 14:4:		
m&p-Xylene	ND	mg/L	0.010	1			3 179601-23-1	
o-Xylene	ND	mg/L	0.0050	1		05/20/16 14:4:		
Surrogates		9 -				23/20/10 17.70	2 23 11 0	
Toluene-d8 (S)	101	%.	70-123	1		05/20/16 14:43	3 2037-26-5	
4-Bromofluorobenzene (S)	99	%.	62-134	1		05/20/16 14:43		
Dibromofluoromethane (S)	105	%.	64-130	1		05/20/16 14:43		





Project:

SRS ARECIBO

Pace Project No.:

2036880

QC Batch:

MPRP/4245

Analysis Method:

EPA 6010

QC Batch Method:

EPA 3010

Analysis Description:

Associated Lab Samples:

2036880002, 2036880003, 2036880004, 2036880005, 2036880006, 2036880007, 2036880008, 2036880009,

6010 MET

2036880010, 2036880011

METHOD BLANK: 227364

Matrix: Water

Associated Lab Samples:

Date: 05/26/2016 12:45 PM

2036880002, 2036880003, 2036880004, 2036880005, 2036880006, 2036880007, 2036880008, 2036880009,

2036880010, 2036880011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/L	ND	0.060	05/24/16 23:02	*
Arsenic	mg/L	ND	0.010	05/24/16 23:02	
Barium	mg/L	ND	0.20	05/24/16 23:02	
Beryllium	mg/L	ND	0.0050	05/24/16 23:02	
Cadmium	mg/L	ND	0.0050	05/24/16 23:02	
Chromium	mg/L	ND	0.010	05/24/16 23:02	
Cobalt	mg/L	ND	0.010	05/24/16 23:02	
Copper	mg/L	ND	0.010	05/24/16 23:02	
Lead	mg/L	ND	0.0050	05/24/16 23:02	
Nickel	mg/L	ND	0.040	05/24/16 23:02	
Selenium	mg/L	ND	0.020	05/24/16 23:02	
Silver	mg/L	ND	0.010	05/24/16 23:02	
Thallium	mg/L	ND	0.010	05/24/16 23:02	
Vanadium	mg/L	ND	0.050	05/24/16 23:02	
Zinc	mg/L	ND	0.020	05/24/16 23:02	

LABORATORY CONTROL SAMPLE:	227365					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Antimony	mg/L	1	1.0	102	82-120	
Arsenic	mg/L	1	0.99	99	84-117	
Barium	mg/L	1	1.0	104	85-118	
Beryllium	mg/L	1	1.0	104	85-117	
Cadmium	mg/L	1	1.0	103	85-115	
Chromium	mg/L	1	1.0	105	83-117	
Cobalt	mg/L	1	1.0	102	85-117	
Copper	mg/L	1	1.0	103	85-116	
_ead	mg/L	1	1.0	104	84-118	
Nickel	mg/L	1	1.0	104	85-118	
Selenium	mg/L	1	1.0	105	85-116	
Silver	mg/L	.5	0.48	96	80-120	
Thallium	mg/L	1	1.0	100	85-118	
/anadium	mg/L	1	1.1	106	85-116	
Zinc	mg/L	1	1.0	102	81-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.





Project:

SRS ARECIBO

Pace Project No.: 2036880

Date: 05/26/2016 12:45 PM

MATRIX SPIKE & MATRIX :	SPIKE DUPLIC	CATE: 22736	6		227367							
			MS	MSD								
		2036847010	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qua
Antimony	mg/L	ND	1	1	1.0	1.0	101	103	80-120	2	20	
Arsenic	mg/L	ND	1	1	0.98	0.99	98	99	80-120	2	20	
Barium	mg/L	ND	1	1	1.0	1.1	103	106	80-120	2	20	
Beryllium	mg/L	ND	1	1	1.0	1.0	102	104	80-120	2	20	
Cadmium	mg/L	ND	1	1	1.0	1.0	101	103	80-120	2	20	
Chromium	mg/L	ND	1	1	1.0	1.1	103	106	80-120	2	20	
Cobalt	mg/L	ND	1	1	1.0	1.0	101	102	80-120	2	20	
Copper	mg/L	ND	1	1	1.0	1.0	102	104	80-120	2	20	
ead	mg/L	ND	1	1	1.0	1.0	103	105	80-120	2	20	
Nickel	mg/L	ND	1	1	1.0	1.0	103	105	80-120	2	20	
Selenium	mg/L	ND	1	1	1.0	1.0	103	105	80-120	2	20	
Silver	mg/L	ND	.5	.5	0.47	0.48	94	97	80-120	3	20	
hallium	mg/L	ND	1	1	0.99	1.0	99	100	80-120	2	20	
/anadium	mg/L	ND	1	1	1.1	1.1	105	108	80-120	3	20	
Zinc	mg/L	ND	1	1	1.0	1.0	100	101	80-120	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.





Project:

SRS ARECIBO

Pace Project No.:

2036880

QC Batch:

MSV/4959

Analysis Method:

Blank

EPA 8260

QC Batch Method:

EPA 8260

Analysis Description:

8260 MSV

Associated Lab Samples:

2036880001, 2036880002, 2036880003, 2036880004, 2036880005, 2036880006, 2036880007, 2036880008,

2036880009, 2036880010, 2036880011, 2036880012

METHOD BLANK: 227394

Matrix: Water

Associated Lab Samples:

Date: 05/26/2016 12:45 PM

Reporting

2036880009, 2036880010, 2036880011, 2036880012

		DIAITK	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	mg/L	ND	0.0050	05/20/16 09:45	
1,1,2,2-Tetrachloroethane	mg/L	ND	0.0050	05/20/16 09:45	
1,1,2-Trichloroethane	mg/L	ND	0.0050	05/20/16 09:45	
1,1-Dichloroethane	mg/L	ND	0.0050	05/20/16 09:45	
1,1-Dichloroethene	mg/L	ND	0.0050	05/20/16 09:45	
1,2-Dibromo-3-chloropropane	mg/L	ND	0.0050	05/20/16 09:45	
1,2-Dibromoethane (EDB)	mg/L	ND	0.0050	05/20/16 09:45	
1,2-Dichlorobenzene	mg/L	ND	0.0050	05/20/16 09:45	
1,2-Dichloroethane	mg/L	ND	0.0050	05/20/16 09:45	
1,2-Dichloropropane	mg/L	ND	0.0050	05/20/16 09:45	
1,3-Dichlorobenzene	mg/L	ND	0.0050	05/20/16 09:45	
1,4-Dichlorobenzene	mg/L	ND	0.0050	05/20/16 09:45	
2-Butanone (MEK)	mg/L	ND	0.010	05/20/16 09:45	
2-Hexanone	mg/L	ND	0.010	05/20/16 09:45	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	0.010	05/20/16 09:45	
Acetone	mg/L	ND	0.010	05/20/16 09:45	
Benzene	mg/L	ND	0.0050	05/20/16 09:45	
Bromodichloromethane	mg/L	ND	0.0050	05/20/16 09:45	
Bromoform	mg/L	ND	0.0050	05/20/16 09:45	
Bromomethane	mg/L	ND	0.0050	05/20/16 09:45	
Carbon disulfide	mg/L	ND	0.0050	05/20/16 09:45	
Carbon tetrachloride	mg/L	ND	0.0050	05/20/16 09:45	
Chlorobenzene	mg/L	ND	0.0050	05/20/16 09:45	
Chloroethane	mg/L	ND	0.0050	05/20/16 09:45	
Chloroform	mg/L	ND	0.0050	05/20/16 09:45	
Chloromethane	mg/L	ND	0.0050	05/20/16 09:45	
cis-1,2-Dichloroethene	mg/L	ND	0.0050	05/20/16 09:45	
cis-1,3-Dichloropropene	mg/L	ND	0.0050	05/20/16 09:45	
Dibromochloromethane	mg/L	ND	0.0050	05/20/16 09:45	
Dichlorodifluoromethane	mg/L	ND	0.0050	05/20/16 09:45	
Ethylbenzene	mg/L	ND	0.0050	05/20/16 09:45	
Isopropylbenzene (Cumene)	mg/L	ND	0.0050	05/20/16 09:45	
m&p-Xylene	mg/L	ND	0.010	05/20/16 09:45	
Methyl acetate	mg/L	ND	0.010	05/20/16 09:45	
Methyl-tert-butyl ether	mg/L	ND	0.0050	05/20/16 09:45	
Methylene Chloride	mg/L	ND	0.0050	05/20/16 09:45	
o-Xylene	mg/L	ND	0.0050	05/20/16 09:45	
Styrene	mg/L	ND	0.0050	05/20/16 09:45	
Tetrachloroethene	mg/L	ND	0.0050	05/20/16 09:45	
Toluene	mg/L	ND	0.0050	05/20/16 09:45	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.





Project:

SRS ARECIBO

Pace Project No.: 2036880

METHOD BLANK: 227394

Matrix: Water

Associated Lab Samples:

Date: 05/26/2016 12:45 PM

2036880001, 2036880002, 2036880003, 2036880004, 2036880005, 2036880006, 2036880007, 2036880008,

2036880009, 2036880010, 2036880011, 2036880012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,2-Dichloroethene	mg/L	ND	0.0050	05/20/16 09:45	
rans-1,3-Dichloropropene	mg/L	ND	0.0050	05/20/16 09:45	
Trichloroethene	mg/L	ND	0.0050	05/20/16 09:45	
Trichlorofluoromethane	mg/L	ND	0.0050	05/20/16 09:45	
/inyl chloride	mg/L	ND	0.0020	05/20/16 09:45	
I-Bromofluorobenzene (S)	%.	101	62-134	05/20/16 09:45	
Dibromofluoromethane (S)	%.	104	64-130	05/20/16 09:45	
Toluene-d8 (S)	%.	99	70-123	05/20/16 09:45	

LABORATORY CONTROL SAMPLE:	227395					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1,1,1-Trichloroethane	mg/L	.05	0.051	102	65-132	
1,1,2,2-Tetrachloroethane	mg/L	.05	0.054	107	46-153	
1,1,2-Trichloroethane	mg/L	.05	0.050	100	64-140	
1,1-Dichloroethane	mg/L	.05	0.046	93	63-135	
1,1-Dichloroethene	mg/L	.05	0.042	84	50-151	
1,2-Dibromo-3-chloropropane	mg/L	.05	0.059	119	40-155	
1,2-Dibromoethane (EDB)	mg/L	.05	0.050	101	62-146	
1,2-Dichlorobenzene	mg/L	.05	0.053	106	70-129	
1,2-Dichloroethane	mg/L	.05	0.052	105	58-150	
1,2-Dichloropropane	mg/L	.05	0.049	98	66-131	
1,3-Dichlorobenzene	mg/L	.05	0.052	105	69-127	
1,4-Dichlorobenzene	mg/L	.05	0.053	107	71-128	
2-Butanone (MEK)	mg/L	.05	0.062	125	18-173	
2-Hexanone	mg/L	.05	0.054	109	29-158	
4-Methyl-2-pentanone (MIBK)	mg/L	.05	0.049	97	46-159	
Acetone	mg/L	.05	0.077	154	10-198	
Benzene	mg/L	.05	0.055	110	68-129	
Bromodichloromethane	mg/L	.05	0.050	101	68-132	
Bromoform	mg/L	.05	0.049	98	56-153	
Bromomethane	mg/L	.05	0.044	88	47-149	
Carbon disulfide	mg/L	.05	0.044	88	25-166	
Carbon tetrachloride	mg/L	.05	0.050	100	56-146	
Chlorobenzene	mg/L	.05	0.050	100	74-131	
Chloroethane	mg/L	.05	0.042	84	28-190	
Chloroform	mg/L	.05	0.047	94	71-132	
Chloromethane	mg/L	.05	0.041	82	27-154	
cis-1,2-Dichloroethene	mg/L	.05	0.049	97	65-132	
cis-1,3-Dichloropropene	mg/L	.05	0.055	109	66-135	
Dibromochloromethane	mg/L	.05	0.048	97	64-138	
Dichlorodifluoromethane	mg/L	.05	0.042	85	18-173	
Ethylbenzene	mg/L	.05	0.052	103	73-129	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project: SRS ARECIBO
Pace Project No.: 2036880

Date: 05/26/2016 12:45 PM

LABORATORY CONTROL SAMPLE: 227395 Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Isopropylbenzene (Cumene) .05 0.053 mg/L 105 61-139 m&p-Xylene mg/L 0.10 .1 102 71-132 Methyl acetate mg/L .05 0.052 20-142 105 Methyl-tert-butyl ether mg/L .05 0.051 101 51-155 Methylene Chloride mg/L .05 0.033 67 41-171 o-Xylene .05 mg/L 0.051 103 69-129 Styrene mg/L .05 0.052 105 74-132 Tetrachloroethene mg/L .05 0.049 99 57-151 Toluene mg/L .05 0.051 102 70-130 trans-1,2-Dichloroethene .05 mg/L 0.046 92 56-137 trans-1,3-Dichloropropene mg/L .05 0.056 113 62-146 Trichloroethene .05 0.050 mg/L 101 71-131 Trichlorofluoromethane .05 mg/L 0.054 108 37-188 Vinyl chloride mg/L .05 0.039 77 42-148 4-Bromofluorobenzene (S) %. 103 62-134 Dibromofluoromethane (S) %. 98 64-130 Toluene-d8 (S) %. 98 70-123

MATRIX SPIKE & MATRIX SP	IKE DUPLICA	ATE: 22739	6		227397							
			MS	MSD								
		2036880002	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
1,1,1-Trichloroethane	mg/L	ND	.05	.05	0.054	0.054	108	107	61-138	0	20	
1,1,2,2-Tetrachloroethane	mg/L	ND	.05	.05	0.049	0.050	99	99	41-160	1	20	
1,1,2-Trichloroethane	mg/L	ND	.05	.05	0.048	0.049	96	97	63-145	1	20	
1,1-Dichloroethane	mg/L	ND	.05	.05	0.048	0.048	96	96	61-141	0	20	
1,1-Dichloroethene	mg/L	ND	.05	.05	0.042	0.044	85	88	40-163	3	20	
1,2-Dibromo-3-	mg/L	ND	.05	.05	0.053	0.053	106	107	38-162	0	20	
chloropropane												
1,2-Dibromoethane (EDB)	mg/L	ND	.05	.05	0.048	0.048	96	96	61-149	0	20	
1,2-Dichlorobenzene	mg/L	ND	.05	.05	0.054	0.053	107	106	70-131	1	20	
1,2-Dichloroethane	mg/L	ND	.05	.05	0.050	0.050	100	100	57-155	0	20	
1,2-Dichloropropane	mg/L	ND	.05	.05	0.049	0.050	98	100	64-137	2	20	
1,3-Dichlorobenzene	mg/L	ND	.05	.05	0.053	0.054	107	108	68-130	1	20	
1,4-Dichlorobenzene	mg/L	ND	.05	.05	0.055	0.054	109	108	70-130	1	20	
2-Butanone (MEK)	mg/L	ND	.05	.05	0.042	0.042	85	84	14-184	1	20	
2-Hexanone	mg/L	ND	.05	.05	0.040	0.041	81	82	27-165	1	20	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	.05	.05	0.043	0.044	87	88	43-165	2	20	
Acetone	mg/L	0.021	.05	.05	0.049	0.050	56	57	10-202	1	20	
Benzene	mg/L	ND	.05	.05	0.056	0.058	112	115	60-138	2	20	
Bromodichloromethane	mg/L	ND	.05	.05	0.051	0.051	101	103	66-137	1	20	
Bromoform	mg/L	ND	.05	.05	0.047	0.047	93	94	53-156	1	20	
Bromomethane	mg/L	ND	.05	.05	0.046	0.045	92	89	43-151	3	20	
Carbon disulfide	mg/L	ND	.05	.05	0.046	0.047	93	94	17-176	2	20	
Carbon tetrachloride	mg/L	ND	.05	.05	0.053	0.053	105	105	51-151	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.





Project:

SRS ARECIBO

Pace Project No.: 2036880

Date: 05/26/2016 12:45 PM

MATRIX SPIKE & MATRIX SPII	NE DOI EIG	DATE: 22739	MS	MSD	227397							
		2036880002	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD		Qua
Chlorobenzene	mg/L	ND	.05	.05	0.052	0.052	104	104	71-135	1	20	
Chloroethane	mg/L	ND	.05	.05	0.044	0.045	88	91	21-191	3	20	
Chloroform	mg/L	ND	.05	.05	0.048	0.048	97	96	67-138	1	20	
Chloromethane	mg/L	ND	.05	.05	0.041	0.044	83	89	24-158	7	20	
cis-1,2-Dichloroethene	mg/L	ND	.05	.05	0.050	0.049	99	98	61-138	1	20	
cis-1,3-Dichloropropene	mg/L	ND	.05	.05	0.053	0.053	106	106	62-137	0	20	
Dibromochloromethane	mg/L	ND	.05	.05	0.047	0.048	94	96	62-142	2	20	
Dichlorodifluoromethane	mg/L	ND	.05	.05	0.041	0.042	81	83	16-176	2	20	
Ethylbenzene	mg/L	ND	.05	.05	0.054	0.055	109	110	66-136	1	20	
Isopropylbenzene (Cumene)	mg/L	ND	.05	.05	0.055	0.056	110	113	58-144	2	20	
m&p-Xylene	mg/L	ND	.1	.1	0.11	0.11	108	109	64-138	1	20	
Methyl acetate	mg/L	ND	.05	.05	0.044	0.045	88	89	10-142	2	20	
Methyl-tert-butyl ether	mg/L	ND	.05	.05	0.048	0.048	96	96	48-164	0	20	
Methylene Chloride	mg/L	ND	.05	.05	0.034	0.034	67	68	35-165	1	20	
o-Xylene	mg/L	ND	.05	.05	0.054	0.054	108	108	63-136	0	20	
Styrene	mg/L	ND	.05	.05	0.054	0.055	107	109	63-141	2	20	
Tetrachloroethene	mg/L	ND	.05	.05	0.052	0.052	104	104	48-160	0	20	
Toluene	mg/L	ND	.05	.05	0.054	0.055	109	110	62-137	1	20	
trans-1,2-Dichloroethene	mg/L	ND	.05	.05	0.047	0.047	93	94	52-144	1	20	
trans-1,3-Dichloropropene	mg/L	ND	.05	.05	0.056	0.056	111	112	59-151	1	20	
Trichloroethene	mg/L	ND	.05	.05	0.052	0.052	104	105	62-142	1	20	
Trichlorofluoromethane	mg/L	ND	.05	.05	0.056	0.058	111	116	19-196	4	20	
Vinyl chloride	mg/L	ND	.05	.05	0.041	0.042	81	85	35-153	4	20	
4-Bromofluorobenzene (S)	%.						101	103	62-134			
Dibromofluoromethane (S)	%.						97	96	64-130			
Toluene-d8 (S)	%.						100	101	70-123			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



1000 Riverbend Blvd - Suite F St. Rose, LA 70087 (504)469-0333

QUALIFIERS

Project:

SRS ARECIBO

Pace Project No.:

2036880

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

LABORATORIES

PASI-N

Date: 05/26/2016 12:45 PM

Pace Analytical Services - New Orleans





QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:

SRS ARECIBO

Pace Project No.:

Date: 05/26/2016 12:45 PM

2036880

Lab ID	Sample ID QC Batch Method		QC Batch	Analytical Method	Analytical Batch	
2036880002	MW-4-1	EPA 3010	MPRP/4245	EPA 6010	ICP/3826	
2036880003	MW-4-2	EPA 3010	MPRP/4245	EPA 6010	ICP/3826	
2036880004	MW-3-1	EPA 3010	MPRP/4245	EPA 6010	ICP/3826	
2036880005	MW-3-2	EPA 3010	MPRP/4245	EPA 6010	ICP/3826	
2036880006	MW-2-1	EPA 3010	MPRP/4245	EPA 6010	ICP/3826	
2036880007	MW-2-2	EPA 3010	MPRP/4245	EPA 6010	ICP/3826	
2036880008	MW-1-1	EPA 3010	MPRP/4245	EPA 6010	ICP/3826	
2036880009	MW-1-2	EPA 3010	MPRP/4245	EPA 6010	ICP/3826	
2036880010	MW-5-1	EPA 3010	MPRP/4245	EPA 6010	ICP/3826	
2036880011	MW-5-2	EPA 3010	MPRP/4245	EPA 6010	ICP/3826	
2036880001	TB-051816	EPA 8260	MSV/4959			
2036880002	MW-4-1	EPA 8260	EPA 8260 MSV/4959			
2036880003	MW-4-2	EPA 8260	EPA 8260 MSV/4959			
2036880004	MW-3-1	EPA 8260	EPA 8260 MSV/4959			
2036880005	MW-3-2	EPA 8260				
2036880006	MW-2-1	EPA 8260				
2036880007	MW-2-2	EPA 8260 MSV/4959				
2036880008	MW-1-1	EPA 8260 MSV/4959				
2036880009	MW-1-2	EPA 8260	MSV/4959			
2036880010	MW-5-1	EPA 8260	MSV/4959			
2036880011	MW-5-2	EPA 8260	MSV/4959			
2036880012	FB-051816	EPA 8260	MSV/4959			

WO#: 2036880

-OF-CUSTODY / Analytical Request Document Foustody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

2036880 Pace Analytical **

Section A 2036880 Required Client Information:			Section C Invoice Information:	ution:			Page:	- J. J.
SESM	Repopulation (ami)	16ES PA	Attention:	Jam (Som)	5		,	7030800
1550 Are me to lem	MIND WIND COIM	15 16ES PA	Company Name	OCOR	22	REGULATORY AGENCY	ENCY	
2 Joseph YR.	7		Address:			NPDES	GROUND WATER	DRINKII
ı	Purchase Order No.:		Pace Quote Reference:			UST	RCRA	7 OTHER EDD
3 .	>PS ACROIL	R	Pace Project Manager:	yen hook	3	Site Location A	Afec i bo	
requested Due Date/ Al:	Project Number:	33	Pace Profile #:	55 BB		STATE;	17.0	
						Requested Analysis Filtered (Y/N)	/N)	
Section D Matrix Codes Required Client Information MATRIX / CODE	des CODE	CTED	Ą	Preservatives X	2			
	<u>.</u>	COMPOSITE ENDIGRAB				-	AMERICAN TAXABLE PROPERTY.	Pos
Sample ID Oil Wipe (A-Z. 0-9 /) Air Sample IDs MUST BE UNIQUE Tissue		EMP AT C	ея эмі а т	tseT s) 09 () 728	7	The second second second second	9
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8-071816	W61	1	3		4		-	
MW-4-1	100	6855		2	~		2	
NW-4-2	W7 6	251816 B57 MB	4	63	Y Y		2	
MW-3-1	200	2		WC	Y		5	
Min-5-2	W15	926	7.	01	4		9	
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ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY	ACCEPTED BY / AFFILIATION	DATE TII	TIME	SAMPLE CONDITIONS
505 Specifion polocytocompen	Star Barille	SIR WIRK	£0:58	X	1/1000	5-1816 1S.	15:07	
21861-PAEDD-ELP	THE TANK	20 5-18-16	and	FORE	7		0.0	2 2
ass & Egisson me. Can	ROLLX	5/19/16	850	2.	500	51910 BS	2-12	マ た て て
>	•	-	_	7			100	

Important Note. By signing this form you are accepting Paze's NET 30 day payment terms and agreeing to late charges of 1.5% per month for

SAMPLER NAME AND SIGNATURE

ORIGINAL

_Page 33 of 35

PRINT Name of SAMPLER: SIGNATURE of SAMPLER:

Samples Intact (N/Y)

Sealed Cooler (Y/N) Charody

Received on Ice (Y/N)

O° ni qrisT

05181 CAND

> DATE Signed (MM/DD/YY):

F-ALL-O-020rev 07, 15-May-2007

Pace Analytical

Sample Condition Upon Receip 40#:2036880

PM: JAR1

Due Date: 06/02/16

CLIENT: 98-GES PR

Urb. Jardines de Guaynabo Calle Mrginal Blq A-10 Guaynabo, PR 00969

Project #

Cusyllato, FR 50000			r roject n	
Courier: Pace Courier Hired Courier	r □ Fed X	□ UF	PS 🗆 DHL	☐ USPS ☐ Customer ☐ Other
Custody Seal on Cooler/Box Present: [se	e COC]			Custody Seals intact: □Yes □No
Therometer Used: Therm Fisher IR 4 Therm Fisher IR 6 Therm Fisher IR 7	Type of Ice:	(v	Vet Blue None	Samples on ice: [see COC]
Cooler Temperature: [see COC]	mp should be a	bove fi	reezing to 6°C	Date and Initials of person examining contents:
Temp must be measured from Temperature blank when	n present		Comments:	,
Temperature Blank Present"?	□Yes ☑No	□N/A	1	
Chain of Custody Present:	⊠yes □No	□N/A	2	
Chain of Custody Complete:	Oyes □No	□N/A		
Chain of Custody Relinquished:	□Yes □No	□N/A	4	
Sampler Name & Signature on COC:	Yes □No	□n/a	5	
Samples Arrived within Hold Time:	√Yes □No	□N/A		
Sufficient Volume:	ØYes □No	□N/A	7	
Correct Containers Used:	Yes 🗆 No	□N/A	8	
Filtered vol. Rec. for Diss. tests	□Yes □No	□NA	9	
Sample Labels match COC:	ØYes □No	BN/A	10	
All containers received within manafacture's precautionary and/or expiration dates.	eyes □No	□N/A	11	
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	e □Yes □No	■N/A	12	
All containers preservation checked found to be incompliance with EPA recommendation.	n □Yes □No	ØN/A		reserative added? □Yes □No ord lot no.: HNO3 H2SO4
Headspace in VOA Vials (>6mm):	□Yes □No	(N/A	14	
Frip Blank Present:	Yes □No		15	
Client Notification/ Resolution: Person Contacted: Comments/ Resolution:				
		····		
	- W			



Sample Condition Upon Receipt

1000 Riverbend, Blvd., Suite F Project #: 20 36,880 St Rose, LA 70087 ☐ Hired Courier ☐ Pace Courier Fed X □ UPS Courier: □ DHL ☐ USPS ☐ Customer ☐ Other Custody Seal on Cooler/Box Present [see COC] Custody Seals intact: ☐Yes ☐No □ Therm Fisher IR 5 Therometer □ Therm Fisher IR 6 Type of Ice: Blue None Samples on ice: [see COC] Used: * Therm Fisher IR 7 Date and Initials of person examining contents: 05-17-16-73 Cooler Temperature: [see COC] Temp should be above freezing to 6°C Temp must be measured from Temperature blank when present Comments: Temperature Blank Present"? ☐Yes ☐No Chain of Custody Present: Yes No □N/A 2 Chain of Custody Complete: Yes No □N/A Yes No Chain of Custody Relinquished: □N/A Sampler Name & Signature on COC Yes No □N/A Samples Arrived within Hold Time: Yes No DN/A 6 Sufficient Volume: Yes No □N/A Yes No □N/A Correct Containers Used: Filtered vol. Rec. for Diss. tests ☐Yes ☐No DNA 9 Sample Labels match COC: Yes \Quantum No □N/A 10 All containers received within manafacture's Yes No precautionary and/or expiration dates. 11 All containers needing chemical preservation have Yes No □N/A been checked (except VOA, coliform, & O&G). 12 All containers preservation checked found to be in If No, was preserative added? DYes No Yes No NA compliance with EPA recommendation If added record lot no.: HNO3 H2SO4 13 Headspace in VOA Vials (>6mm): ☐Yes ☐No 14 ☐Yes No Trip Blank Present: 15 Client Notification/ Resolution: Person Contacted: Date/Time: Comments/ Resolution: